

# THE CIVIL ENGINEER

E-NEWSLETTER Volume-VI (3<sup>rd</sup> Quarterly Issue) July-September 2015



**The Institution of Civil Engineers (India)**

# The Civil Engineer

E-NEWSLETTER

Volume -VI [3<sup>rd</sup> Quarterly Issue] July-September, 2015

## OUR INTELLECTUAL PILLARS

1.	<b>Dr. Sohan H. Lal Swamy</b> Chairman The Institution of Civil Engineers (India) New Delhi.	11.	<b>Prof. C.V.R. Murty</b> Director IIT, Jodhpur Old Residency Road, Ratanada, Jodhpur - 342 011
2.	<b>Prof. V.N. Rajasekharan Pillai</b> Former Vice-Chancellor Indira Gandhi National Open University Maidan Garhi, New Delhi-110 068.	12.	<b>Dr. P.P. Mujumdar</b> Professor and Chairman Department of Civil Engineering Indian Institute of Science Bangalore-560 012 Karnataka
3.	<b>Mr. Ashok K Mittal</b> Chancellor Lovely Professional University Lovely Campus, Jalandhar-Ludhiana G.T. Road, Near Chaheru Railway Bridge Phagwara, Punjab 144402	13.	<b>Dr. Subhash Chandra Mishra (F.I.E)</b> Retd. Dean College of Engineering and Technology Bhubaneswar. Odisha
4.	<b>Dr. D.P. Ghosh</b> Ex- Professor , Dept. of Civil Engineering IIT, Kharagpur West Bengal	14.	<b>Prof. Satish Khanna</b> Ex-Professor, Department of Architecture School of Planning and Architecture New Delhi
5.	<b>Prof. K.G. Sharma</b> Professor, Dept. of Civil Engineering IIT Delhi, Hauz Khas New Delhi.	15.	<b>Prof. R.S. Sharma</b> Ex- Professor, Dept. of Civil Engineering and Practicing Architect College of Technology, Pantnagar Uttarakhand
6.	<b>Prof. Ravi Sinha</b> Professor, Dept. of Civil Engineering IIT, Mumbai, Powai Mumbai.	16.	<b>Dr. S.S. Kang</b> Professor Punjab Agricultural University Ludhiana Punjab
7.	<b>Dr. G.L. Asawa</b> Ex-Professor Department of Civil Engineering IIT , Roorkee- 247 667 Uttarakhand	17.	<b>Prof. A.K. Sarma</b> Professor, Deptt. of Civil Engineering IIT Guwahati Assam -781 039
8.	<b>Prof. Anjan Dutta</b> Prof. Dept. of Civil Engineering & Dean Institute Works IIT, Guwahati-781 039 Assam	18.	<b>Prof. S. R Gandhi</b> Professor & Head, Deptt. of Civil Engineering IIT Madras Chennai-600036
9.	<b>Dr. L.S. Ramachandra</b> Professor & Head, Deptt. of Civil Engineering IIT, Kharagpur West Bengal-721302	19.	<b>Prof. Deepak Kashyap</b> Professor & Head, Deptt. of Civil Engineering IIT , Roorkee- 247 667 Uttarakhand
10.	<b>Prof. K. Rajagopal</b> Professor, Dept. of Civil Engineering IIT, Madras Chennai-600 036	20.	<b>Dr. S.D. Sharma</b> Former Dean Post Graduate Faculty cum Director Resident Instructions Orissa University of Agriculture and Technology, Bhubaneswar Odisha



# The Institution of Civil Engineers (India)

## EDITORIAL BOARD

### Patron

**Mr. P.P. Singh Bindra**, Managing Chairman

### Editor-in-Chief

**Dr. S.L. Swamy**, Chairman

### Editor

**Mr. Prithpal Singh**, Secretary General

### Members

**Md. Aslam Qureshi**, Vice President

**Er. Sagar Singh Thakur**, Joint Secretary

**Dr. S.D.Sharma**, Director (Academic)

**Ms. Maya Thakur**, Director

**Mr. Paras Dugar**, Controller of Exams

**Mr. T.R. Piplani**, Director (PR)

**Mr. Manjit Swami**, Executive Director

**Mr. Chander Mohan**, Regional Director

## IN THIS ISSUE...

- From the Editor in-Chief's Desk : 1
- From the Editor's Pen : 2
- 'Building-up' India : 3-4
- Plugging of water leakage at khala openings/nakkas : 5-7
- Celebration of Engineers' Day 2015 by ICE(I) : 8
- National Seminar on "Role of Civil Engineers in Make In India" : 9-10
- 5<sup>th</sup> Convocation : 11-12
- ICE(I) Expo-2015 : 13
- Add to your Vocabulary : 14
- Partners to conduct Practicals & Submission of Project Reports (AICTE approved Institutions in different States/Cities) : 15-21
- Professional Vistas : 22-25
- Snippets : 26-27
- Alumni....A Lifelong Relationship! Keep it alive ! : 28-29
- Photo Gallery : 30-38

The Civil Engineer News Letter is the Official Publication of The Institution of Civil Engineers (India) [Registered under Societies Registration Act, XXI of 1860].

The Civil Engineer-Newsletter contains the news of The Institution of Civil Engineers (India) unless it is stated that an article or a letter does not represent the ICE(I)'s views.

Notice of change of address must be received in the Offices of the Institution of Civil Engineers (India) Regd. Off. or Delhi Off.: 'Career House' 4, East Park Road, Karol Bagh, New Delhi-110005.

Website: [www.ice.net.in](http://www.ice.net.in)

Email : [info@ice.net.in](mailto:info@ice.net.in)

**Chairman of the Institution**  
**Dr. S. L. Swamy**



## From the Editor-in-Chief's Desk

Dear Readers

As you know that ICE(I) celebrated Engineers' day on 15th September, 2015 with added zeal and gusto. This time also we had both the National Seminar on "Role of Civil Engineers in Make In India" and the 5th Convocation to award final pass certificates to the successful candidates. The 2nd Edition of "ICE(I) Expo" was very well organized as many reputed public and private organizations participated in it. The candidates of ICE(I) gained a lot to support their professionalism and overall well-being through the exposure which they got. This will result in long-lasting benefits for the Civil Engineering community and increase professionalism in their respective organizations, which will definitely reap dividends too.

On the occasion of the Engineers Day Celebrations, Mr. Nihalchand, Hon'ble Minister of State Ministry of Panchayati

Raj, Govt. of India was the Chief Guest to inaugurate the National Seminar on "Role of Civil Engineers in Make In India". Mr. Manoj Tiwari, Hon'ble M.P. (Lok Sabha) graced the occasion as the Guest of Honour.

Prof. Nupur Prakash, Vice-Chancellor Indira Gandhi Delhi Technical University for Women was the Chief Guest at the 5th Convention of ICE(I).

This issue of the Newsletter contains usual features to provide you additional input for your professional growth.

Happy Reading!

**Dr. S.L.Swamy**  
Chairman



## From the Editor's pen

Dear Readers

Infrastructure is a crucial aspect of a nation that provides the foundation for sustainable economic growth and prosperity. As one of the fastest-growing large economies of the world, India has a greater need to focus on developing world-class infrastructure to sustain its growth momentum, and to achieve its vision of becoming "Shreshtha Bharat" (Excellent India).

Despite being a primary driver of economic growth infrastructure has remained a victim of chronic under investment. This seems to have created a vicious cycle wherein economic growth has been impacted due to lack of enabling infrastructure, and the low growth has been unable to support funding nation-wide infrastructural development. The present government is giving due impetus to infrastructure as a growth enabler, rather than just meeting the current infrastructure demands.

The success of many of the flagship government programmes such as 'Make in India', 'Digital India', etc. is likely to be dependent on the adequacy and efficiency of India's infrastructure. Good connectivity across the length and breadth of the country could help move raw materials and finished goods with ease. Robust digital infrastructure too is expected to drive India to the next level of growth and help the government achieve its vision of providing digital empowerment to its citizens.

The government is making efforts to enhance industrial productivity by improving and expanding India's existing highway network, increasing the utilization of inland waterways and developing dedicated railways freight network. Industrial corridors, such as Delhi-Mumbai Industrial Corridor (DMIC) and Amritsar Delhi Kolkata Industrial corridor (ADKIC), have been envisioned to drive cluster-based industrial development and offer improved connectivity through rail, road, water and air.

Infrastructure development in India has primarily been the responsibility of the government, with limited participation from the private sector, possibly owing to high costs, complex administrative procedures, delayed clearances, and long turnaround duration. According to estimates, more than USD1 trillion worth of investment is needed, over the next 10 years, to fund infrastructure needs of the country. The government alone may not be able to meet all demands; hence, the private sector needs to pitch in. Therefore, the need to have a regulatory framework with clear guidelines and vision becomes more pronounced.

In the recently organized National Seminar by ICE(I) the theme was "Role of Civil Engineers in Make in India" in which the learned speakers from various sections of society shared their expertise and underlined the steps needed to make this venture a grand success.

Happy Reading!

**Prithipal Singh**  
**Secretary General**

## 'Building - Up' India

The new urban development mission plans to develop 500 cities including cities with population of more than one lakh and some cities of religious and tourist importance.

The construction industry is the biggest sector of the industrial spectrum in India, going by sheer numbers. One trillion United States Dollar (USD) of investment is projected for infrastructure sector in India till 2017 and 45 per cent of it accounts for construction industry, while 25 per cent accounts for modernization of the existing construction industry. Construction activity contributes as much as ten per cent to India's Gross Domestic Product (GDP). As per midterm appraisal in 2012, the urban share of India's GDP was 62 to 63 per cent in 2009-10. This is further projected to increase to 70 to 75 per cent in 2030. These statistical figures underline the importance of construction industry in India's economic development.

Under Prime Minister's Make in India programme, the construction industry has been appropriately identified as a sector. But the parameters of growth and development of this sector and the factors that impinge upon it are not simple. They are complex and complicated. In fact, they have been allowed to become complicated by the poor and inept regulation of this sector by the governments of the day. Let us consider the under mentioned stark facts of this industry.

The construction industry is dominated by limited numbers of private sector contractors working at large scale, many operating at medium scale and a huge number of contractors working at small scale. The construction industry is neither well organized nor properly regulated. Unscrupulous contractors fleecing and defrauding the

customers are a legion. Corruption and lack of transparency have been, more or less, synonymous with this industry over a long period of time. In a regime where law and order enforcement machinery has been inept and legal institutional framework inadequate, the consumers served by the construction industry have been, largely at the receiving end. Lack of a regulatory mechanism has ensured price and quality disadvantage to the helpless customers. The accounts of buildings and bridges collapsing because of inadequate design still haunt public memory in this country. The years from 2004 to 2014 under the united Progressive Alliance (UPA) Government had seen tones of illegal and unaccounted money invested in the real estate sector, thus pushing real estate prices all over the country beyond the roof. A badly needed regulatory mechanism to enforce standards of quality and fair prices did not come into existence. So what is to be done in the present circumstances?

As indicated above, the first and the foremost requirement is the creation of an effective regulatory body to regulate price, quality and delivery and create healthy competition among Engineering, Procurement and Construction (EPC) contractors in the construction sector. It should have strong teeth to penalise defaulters who dupe customers with false promises in the realty sector. The present government should immediately establish such a body. With India's resources including abundant raw materials and cheap skilled labour, we should be setting global standards in quality and workmanship. But alas, we are far away from it.

The new urban development mission plans to develop 500 cities including cities with population more than 1 lakh and some cities of religious and tourist importance. 100 per cent Foreign Direct Investment (FDI) through

automatic route is permitted in townships, housing, built up infrastructure and development projects. 100 per cent FDI is also allowed under the automatic route for Industrial Parks. The Union Budget of 2014-15 has announced a project to develop 100 smart cities as satellite towns of larger cities by modernizing the existing mid sized cities in the country. A host of tax and other fiscal incentives have also been announced for developing Special Economic Zones (SEZs), Electronics Manufacturing Clusters (EMCs) and other sectoral clusters.

All the plans and measures as aforesaid are laudable. But real estate sector can flourish only when people are professionally well settled with good spending power. Other infrastructure including SEZs and Industrial Parks will see the light of the day only through initial initiatives of the government through its own spending. Governmental efforts to bring in private domestic and foreign capital may bear fruits gradually. This has been shown by the fiasco of the SEZ construction scheme launched by the UPA government.

*Source & credit: Organizer  
dt. 7<sup>th</sup> June, 2015*

## PLUGGING OF WATER LEAKAGE AT KHALA OPENINGS/NAKKAS

### 1. General

The natural resource of water is the most essential and basic human need. It is also the most important input for all human development activities. Next to air perhaps, it is the most precious source of life. Efforts are therefore made to conserve and manage this important resource in a judicious and economic manner.

As per Human Development Report 2006, UNDP, 2006, Coping with water scarcity-Challenge of the twenty-first century, UN-Water, FAO, 2007, water scarcity already affects every continent. Around 1.2 billion people, or almost one-fifth of the world's population, live in areas of physical scarcity, and 500 million people are approaching this situation. Another 1.6 billion people, or almost one quarter of the world's population, face economic water shortage (where countries lack the necessary infrastructure to take water from rivers and aquifers). Water scarcity is both a natural and a human-made phenomenon. There is enough freshwater on the planet but it is distributed unevenly and too much of it is wasted and unsustainably managed.

Most of the Irrigation facilities in Punjab are provided through the canal system/tube wells. The water is taken into the fields through distributaries and minors. Lined field channels (Khalas) take off from outlets constructed in the banks of distributaries /minors, carrying irrigation water from the outlet to the katcha farm channels. The openings in the lined field channels which deliver irrigation water into the katcha farm channels are commonly called khala openings/Nakkas.

### 2. Necessity

Much water is lost by damage to the canals rendered by floods/natural causes, manual/cattle movement and also due to sabotage. Constant vigil and quick repairs are resorted to for minimizing these losses. However, water to the tune of 15 to 30 ha-m/day/million sq.m. of wetted area (depending upon soil quality) is lost constantly, due to seepage from unlined canals. Even in the lined canals, this seepage is as large as 20% of this value.

The Irrigation Distribution Systems of Kandi Area Dams have till recently been developed with the application of lined water courses. In the recent past, the rains have been scanty and the water received in the reservoirs is not sufficient for the planned irrigation facility. In such situations, the wastage of water needs to be minimized. Since the transformation of Irrigation Systems from the lined open channel type to underground piped system is an expensive proposition, improvement in the existing system with minimum wastage of water becomes most essential. In the existing system, regular leakage of water is experienced at the closed Nakkas. This leakage, if plugged, can enhance the irrigation capacity of the system effectively.

### 3. Areas of concern

The lined field channels off taking from the outlets are maintained by the cultivators themselves. Earlier, the operations like opening and closing of water flow into the farm channels was temporarily done by the farmers with the help of locally available mud. Tampering and seepage problems existed in this type of system.

In order to overcome these problems and to improve the overall efficiency of the irrigation facility, mild steel shutters with their frames embedded vertically in the wall openings were introduced and are still in use for the last more than three decades. Along with its benefits, the following shortcomings have been observed in the existing arrangement of mild steel shutters and frames;

- i. Minor leakage of water persists.
- ii. Excessive wear and tear.
- iii. Not very convenient in operation.

#### Explanation

- i. No sealing arrangement is provided – hence constant leakage of water, in varying quantities, is experienced at all these openings.
- ii. Constant use by way of sliding the shutters into and out of the frame results in wearing off as well as distortion at edges of both the shutter and its frames causing leakage.
- iii. Triggered by the wear and tear, the unskilled end user finds it inconvenient to operate these shutters and resorts back to the conventional mud bunding at the outlet.

In order to overcome the above mentioned shortcomings, a modification in the design can certainly improve the efficiency of this irrigation facility, hence the present study.

#### 4. Fundamentals behind the offered alternative

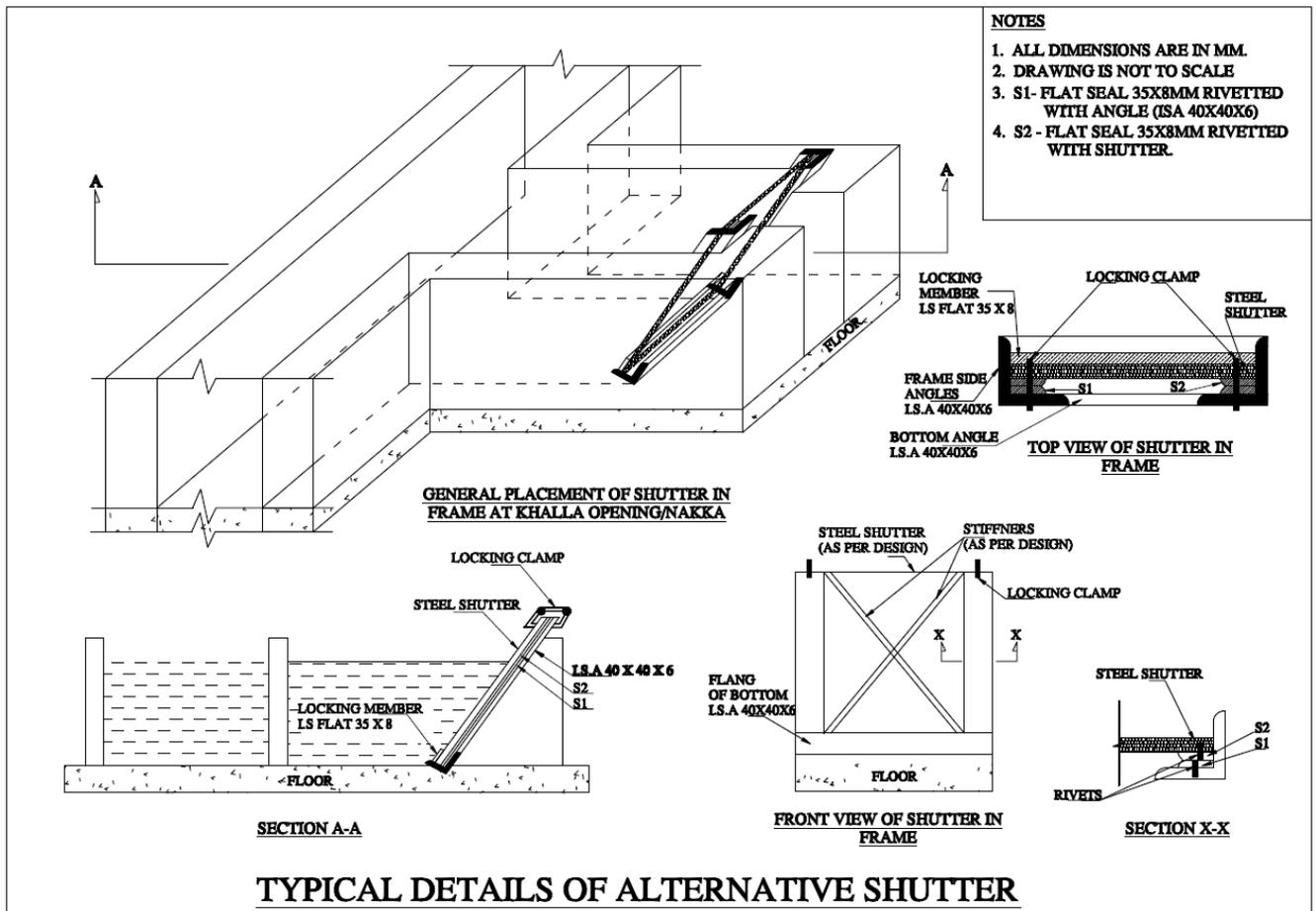
- (a) Provision of proper sealing arrangement for a water tight interface.
- (b) Utilization of water force for closing of
- (c) The sliding activity replaced with provision of open ended placement of the shutter.
- (d) Suitable seating arrangement for better positioning.
- (e) Provision of clamps to keep the shutter in position.
- (f) Handles at the top for easy lifting.

#### 5. Design Features in the offered alternative

- a. In place of the MS Frame being used earlier, three sided angular frame with ISA 40x40x6, resting on an incline with a flat rubber seal 35x6 is proposed to be used.
- b. A locking member (IS Flat 35x8) is welded to the base angle of the frame so as to provide a resting groove for the shutter.
- c. The shutter is made of MS Sheet of suitable thickness and with stiffeners designed to suit the opening size.
- d. Flat rubber seal 35x6 is provided on the three inner edges of the shutter which ultimately has interface with the flat rubber seal 35x6 provided on the frame, at the time of the shutter resting in its frame.
- e. 2 no. clamps are provided on the top edge of the vertical ISA members of the frame. These clamps lock the shutter tightly against its frame.

#### 6. Recommendation

The proposed design fits the mathematical model as well as is well suited from the life expectancy, purposefulness and convenience angles and is therefore highly recommended. The applicability and its purposefulness can however be tested on a physical model before its general application.



Courtesy:

Er. Sanjeev Suri  
Director,  
Er. Rajinder Ghai  
ADE & Er.  
Mandeep Singh  
ADE,

Kandi Watershed Design Directorate, Chandigarh

## Celebration of Engineers' Day 2015 by The Institution Of Civil Engineers (India)

Institution of Civil Engineers (India) celebrated Engineers' Day on 15th September, 2015 at A. P. Shinde Symposium Hall, NASC, DPS Marg, Pusa Complex, New Delhi. The Engineers' Day celebrations included the following programme :

1. National Seminar on Role of Civil Engineers in Make in India"
2. 5<sup>th</sup> Convocation of ICE(I)
3. ICE(I) Expo-2015

The program began with the invocation and lighting of the ceremonial lamp by the dignitaries on the Dias and warm floral welcome was extended to the eminent dignitaries.

**Mr. Prithipal Singh**, Secretary General, ICE(I) delivered welcome remarks and context setting at inaugural session. He reminded that Civil Engineering profession touches almost every aspect of our lives and gives ample opportunity to make significant contribution for the betterment of the Society. Infrastructure is considered as the foundation on which the Nation grows and moves. He advised them to keep abreast of changing technologies, market trends and business development to lead the transformation into tomorrow to improve the quality of life. He told that Make in India initiative is to give the Indian economy global recognition by reviving the country's manufacturing sector.

**Dr. S.L. Swamy**, Chairman, ICE(I) gave key note address at inaugural session. He underline the importance of construction industry in India's economic development as the construction industry is the biggest sector of the industrial spectrum in India. Under Make-In-India programme the construction industry has been appropriately identified as one of the sector/growth drivers, but the parameters of growth and development of this sector and the factors is complex and complicated. He stressed upon the creation of

an effective regulatory body to regulate price, quality and delivery and healthy competition.

**Mr. P.P. Singh Bindra**, Managing Chairman, ICE(I) gave Prelude and stressed on the need for Make in India initiative in the construction sector.

**Mr. Manoj Tiwari**, Hon'ble M.P. (Lok Sabha) the Guest of Honour on the occasion complemented the Civil Engineers and advised them to share their knowledge with other domains.

**Mr. Nihalchand**, Hon'ble Minister of State Ministry of Panchayati Raj, Govt. of India, the Chief Guest, while inaugurating the National Seminar stated that Infrastructure is quintessential for the functioning of economy- in fact all components of it- ranging from a normal household to a business or even the government, every 'engine' needs access to quality infrastructure. He was happy to inaugurate the National Seminar and once again thanked the Management for inviting him to inaugurate the National Seminar and wished all the best for the Seminar.

**Er. Sagar Singh**, Joint Secretary ICE(I) proposed the vote of thanks in the inaugural session echoed that words of wisdom as shared by dignitaries will duly factor in ICE(I)'s work programme. Especially thanked Dr. S.L. Swamy, Chairman, ICE(I) for inviting Mr. Nihalchand, Hon'ble Minister of State Ministry of Panchayati Raj, Government of India for inaugurating the Seminar and Mr. Manoj Tiwari Hon'ble M.P. (Lok Sabha). He invited everyone for the ICE(I) Expo-2015 and Tea.

Mementos were presented to the Chief Guest and Guest of Honour by the Chairman ICE(I) as a token of sweet remembrance.

The inaugural session was ended with a request to the Chief Guest to inaugurate the ICE(I) Expo and join over a cup of tea with all the audience.

## National Seminar on “Role of Civil Engineers in Make In India”

A National Seminar on “Role of Civil Engineers in Make in India” was organized by The Institution of Civil Engineers (India) on 15th September, 2015 as a part of Engineers’ Day Celebration at New Delhi.

Indian economy is recovering after a slump and is expected to deliver a new growth miracle. The government has whetted the appetite by announcing a slew of programmes to rev up the economy, including Make in India, Digital India, Skill India and Smart Cities. Moreover, the coinciding of a business-friendly government, and other factors have boosted the hopes of a strong turnaround. India’s government and business leaders have to meet the expectations in order to sustain the revived optimism.

When such is the canvass Civil Engineers have to play significant role so that India feels proud to provide world class infrastructure and the myth of its being under developed or developing nation turns into a developed nation standing in the front row along with other nations with edge over others. How will this be possible, the expert speakers on the subject threw light on and enlighten us about the ways and means to realize the “Make in India” dream?

**Dr. S.D. Sharma**, Director (Academic) ICE(I) stressed on the role of Civil Engineers in site selection to design and construction of the unit meeting the desired standards and also providing necessary facilities for the needs of the manufacturing units and their maintenance for meeting the requirements of the Make in India project.

**Dr. Manoj Singh**, Adviser (Transport), NITI Aayog gave presentation on Construction Sector in India: Unlocking Opportunities, wherein has stressed upon the contribution in the GDP by the construction sector by providing enormous employment.

**Er. Sanjeev Moholkar**, Principal Development

Specialist, JICA India Office spoke on Industrial Corridors: New Age Construction Initiatives. Industrial Corridors in India are being promoted to achieve accelerated industrial growth - generate more jobs, raise productivity, expand economic opportunities

**Dr. S. Velmurugan**, HoD & Principal Scientist, CSIR-CRRRI gave insights on Condition of Roads & Highways: An Important Indicator of Urban Development under which he highlighted the economic consequences of motor vehicle crashes estimated between 1% to 3% of respective GNP of the World countries. He stressed upon the safety outcomes by 3 E’s Engineering, Education and Enforcement.

**Prof. (Dr.) Virendra Kr. Paul**, HoD – Building, Engineering & Management, School of Planning & Architecture. He gave is presentation on Latest Construction Technologies in Real Estate Industry: Light at the end of Tunnel. However, he highlighted the use of codes and standards in construction to save the wastage.

**Er. Deepankar Mallick**, DDG (T), DGE&T, Ministry of Skill Development and Entrepreneurship, Govt. of India spoke on Skilling of Construction Sector: Success Enabler of Make in India. In order to reap the demographic dividend India need to equip its work force with requisite skills for its economic growth and meeting the sustained demand for construction sector which is accepted to grow @ 7-8% each year over the next decade, as it is the second largest employer and contributes to GDP after agriculture centre.

**Dr. Sudhir Krishna**, IAS (Retd.) Ex-Secretary, Ministry of Urban Development, Govt. of India, Chairperson while sprinkled his own colours on the presentations, summed up the National Seminar, by giving over view of the construction sector especially the smart cities.

The mementos were presented to the Chairperson and Speakers of the seminar by the Chairman, ICE(I) Dr. S.L. Swamy as a token of appreciation.

**Mr. T.R. Piplani**, Director (PR) proposed vote of thanks wherein he foremost thanked the Almighty. He thanked the Chief Guest, Chairperson of the seminar and the Speakers who had contributed in the various technical sessions by their excellent presentations for enriching the proceedings of the Seminar. He thanked Mr. Nihalchand, Hon'ble Minister of State, Ministry of Panchayati Raj, Govt. of India for inaugurating the National Seminar, Mr. Manoj Tiwari, Hon'ble Member of Parliament (Lok Sabha) for being the Guest of Honour, Dr. S.L. Swamy, Chairman, ICE(I), Mr. P.P. Singh Bindra, Managing Chairman and Mr. Prithipal Singh, Secretary General, ICE(I) for their deep interest, commitment and continued support in all our ventures. He also thanked the dedicated team of ICE(I).

The seminar was blessed with words of wisdom of speakers of National & International repute. The topics dwelled deeper into issues of emerging significance. It provided an apt opportunity to delegates to empathies with the challenges and opportunities available while dealing with sustenance.

## 5<sup>th</sup> Convocation of The Institution of Civil Engineers (India)

ICE(I) organized its 5th Convocation on 15th September, 2015. Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, was the Chief Guest on this occasion.

The programme started with the entry of the convocation procession in academic robes with Chief Guest, Chairman, Secretary General and other Members. The august house was fascinated by the entry of the Academic Procession in the auditorium.

A warm welcome address by **Mr. Prithipal Singh**, Secretary General, ICE(I) was extended to one and all. He introduced the Chief Guest and other dignitaries on Dias. He remembered the Chief Guests of last four Convocations.

He welcomed the Chief Guest Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, as its Founder Vice-Chancellor which is the first Women's Technical University and applauded her contributions in the Technical Education for Women.

He also welcomed Dr. S.L. Swamy, Chairman, ICE(I) and other dignitaries on the Dias, guests, members of staff of ICE(I) and candidates.

He narrated that this is a very proud moment for the candidates who are getting their membership certificates, as a major academic milestone in an individual's life. He called upon them to contribute with their bright ideas and dedication to create a better society for which the coming generations should thank for the rich legacy. He concluded his welcome address by quoting Dr. Abdul Kalam, Former President of India "Have courage to think differently, courage to invent, to travel the

unexplored path, courage to discover the impossible and to conquer the problems and succeed".

**Dr. S.L. Swamy**, Chairman, ICE(I) presented the report of ICE(I), after getting customary permission of the Chief Guest. He informed the genesis of ICE(I), awarding of different grades of membership – Corporate and Non-Corporate. He also informed that the programmes offered by ICE(I) have gained great popularity amongst the candidates aspiring for professional career in Civil & Architectural Engineering. The growth can be well judged by the increase in the total number of candidates appearing in the examinations conducted since Summer-2008. He also stated for achieving the objectives and mission of ICE(I) it has joined hands with various National and International organizations. He also mentioned about the MoUs entered with various International organizations in the field of Civil Engineering by ICE(I). He mentioned about CAD and Alumni Association. He announced the Meritorious Awards for the year to the candidates and Institutional Member for their Academic Excellence and Overall Outstanding Performance and also introduction of two new awards for Academic Excellence exclusively to honour the female candidates i.e. "Smt. Gyani Devi Memorial Award" for Academic Excellence in Associate Membership Examination & "Sh. Kashi Ram Memorial Award" for Academic Excellence in T. Engg. Membership Examination.

The Convocation Ceremony started with the candidates who had been declared successful in completing their certification requirements for Associate Membership Examination and T. Engg. Examination were given Membership Certificates in the Convocation Ceremony in which the Secretary General presented the

groups of students concerned requesting the Chairman to grant them the membership certificates which the Chairman did.

Engineers' Day Celebrations concluded with Sweet Memories

In his convocation address Chief Guest **Prof. Nupur Prakash**, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women to the recipients of the Degree and Diploma certificates, she advised them to shape up their skills with the use of modern technology in tune with the needs of the Industry so that the employability ratio should be increased. She called for "Harnessing the power of young generation, which is vital for propelling growth of the country

On this occasion ICE(I) also gave five awards (1) Meritorious Associate Membership Award for Academic Excellence (2) Meritorious Technician Membership Award for Academic Excellence (3) Outstanding Institutional Membership Award for Best Overall Performance. (4) "Smt. Gyani Devi Memorial Award" for Academic Excellence in Associate Membership Examination (for female) (5) "Sh. Kashi Ram Memorial Award" for Academic Excellence in T. Engg. Membership Examination (for female).

The vote of thanks was proposed by **Ms. Maya Thakur**, Director, ICE(I) wherein she thanked Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, Chief Guest of the convocation for sparing her valuable time to give the convocation address. She also thanked the Chairman Dr. S.L. Swamy, Secretary General Mr. Prithipal Singh. She also thanked the others who contributed to the success of the programme especially Mr. T.R. Piplani, Director (PR), ICE(I) for hosting and managing this mega event including the physical facilities provided by the NASC authorities.

The procession returned back in the same manner after the convocation was declared closed, National Anthem amidst a big round of applause by the audience.

## ICE(I) Expo - 2015

ICE(I) celebrated its annual flagship event Engineers Day on 15th September, 2015 at A.P. Shinde Symposium Hall, NASC, DPS Marg, Pusa Complex, New Delhi-110012. Apart from the usual celebrations which includes National Seminar and Annual Convocation ICE(I) arranged for the second time exhibition titled "ICE(I) Expo-2015" in which leading public and private sector organizations participated. The Expo was inaugurated by Mr. Nihalchand, Hon'ble Minister of State Ministry of Panchayati Raj, Government of India. The Hon'ble Minister applauded the role of Indian Civil Engineers across the globe. He appreciated the efforts made by ICE (I) for overall development of the profession.

This gave a rich platform to exhibit the construction works and the technologies being used to provide tools in a cost effective manner. This Expo would not have been possible but for the active support and cooperation by the exhibitors besides ICE(I):-

- **Engineering Projects (India) Ltd.**
- **National Council for Cement and Building Materials**
- **Sulabh International Social Service Organisation.**
- **Perma Construction Aids Pvt. Ltd.**
- **Elematic India Private Ltd.**
- **Action Construction Equipment Ltd.**
- **Telecommunications Consultants India Ltd.**
- **Ministry of Skill Development and Entrepreneurship**

- **Japan International Cooperation Agency (JICA)**
- **Central Road Research Institute**
- **Building Materials and Technology Promotion Council**
- **MD Infosystems Pvt. Ltd.**

The candidates of ICE(I) gained a lot to support their professionalism and overall well-being through the exposure they got. This will result in long-lasting benefits for the Civil Engineering community and increase professionalism in their respective organizations, which will definitely reap dividends.

ICE(I), as a token of their appreciation to the exhibitors presented Mementos to them for their active participation.

Some glimpses of the Expo can be seen in the Photo Gallery to have an overview of this event.

## ADD TO YOUR VOCABULARY

- **Glass Fiber Reinforced Concrete (GFRC)**  
Concrete panels, usually architectural designs, reinforced with a high zirconia (16% minimum), alkali-resistant glass fiber. Optimum glass fiber content of 5% by weight. Lower fiber content results in lower early ultimate strengths, higher fiber content can produce composite compaction and consolidation difficulties.
- **Gravel fill**  
A bed of coarse gravel that is laid atop the existing soil prior to pouring the concrete slab. The gravel serves a dual purpose of breaking surface tension on the concrete slab and providing a layer that interrupts capillary action of subsurface moisture from reaching the concrete slab. Typically, a polyethylene sheeting will be installed between the gravel fill and the concrete slab for further moisture proofing.
- **Gravity Abutment**  
A heavy abutment which resists horizontal earth pressure through its own dead weight.
- **Intercepting Ditch**  
A ditch constructed to prevent surface water from flowing in contact with the toe of an embankment or causeway or down the slope of a cut.
- **Headloss**  
The loss of energy between two points along the path of a flowing fluid due to fluid friction reported in feet of head.
- **Jack/King Stud**  
The framing stud, sometimes called the trimmer that supports the header above a window, door or other opening within a bearing wall. Depending on the size of the opening there may be several jack studs on either side of the opening.
- **Median Strip**  
A strip of land between opposing lanes of highway traffic;
- **King-post Truss**  
Two triangular panels with a common center vertical; the simplest of triangular system trusses.
- **Hinged Joint**  
A joint constructed with a pin, cylinder segment, spherical segment or other device permitting movement by rotation.
- **K-Truss**  
A truss having a web system wherein the diagonal members intersect the vertical members at or near the mid-height; the assembly in each panel forms a letter "K"

## OUR PARTNERS TO CONDUCT PRACTICALS & SUBMISSION OF PROJECT REPORTS

**(AICTE approved Institutions In different States/Cities)**

<b>Andhra Pradesh</b>	
1.	Chaitanya Engineering College Chaitanya Valley, Kommadi, Madhurawada, Visakhapatnam - 530041, Andhra Pradesh
2.	Koneru Lakshmaiah College of Engineering, Green Fields, Vaddeswaram, Guntur Distt.- 522502 Andhra Pradesh
3.	Kakatiya Institute of Technology & Science. Opp. Yerragattu Hillock, Vill-Bheemaram, Mandal-Hasanparthy, Warangal - 506015, Andhra Pradesh
4.	Sri Venkateswara College of Engineering & Technology, Chittor, Andhra Pradesh
5.	Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi, P.O. Gandipet, Hyderabad - 500075, Andhra Pradesh
6.	Govt. Polytechnic, Masabtank, Hyderabad-28, Andhra Pradesh
7.	Rajeev Gandhi Memorial College of Engg. & Tech. N.H.-18, Kurnool District, Nandyal-518501, Andhra Pradesh
8.	Mumtaz College of Engg. & Technology Malakpet, Hyderabad- 36, Andhra Pradesh
9.	KLR College of Engg. & Tech. Khammam District, Paloncha Andhra Pradesh
10.	Nagole Institute of Technology & Science Kuntloor (V), Hayathnagar (M), Hyderabad, Ranga Reddy District-501505 Gveta, Hyderabad-501505, Andhra Pradesh
<b>Assam</b>	
1.	Assam Engineering College Jalukabari, Guawhati-781018, Assam
2.	Jorhat Engineering College, Government of Assam, Jorhat-785007, Assam
3.	Down Town Group of Institution Assam Down Towan University Sankar Madhab Path, Gandhi Nagar, Panikhaiti, Guwahati-781026, Assam
4.	Royal School of Engg & Technology Civil Engineering Department, Betkuchi, Guwahati-781035, Assam
5.	Nowgong Polytechnic, Panigaon, Nagaon-782001, Assam
6.	School of Engg. & Technology Kaziranga University, Koraikhowa, NH 37, Jorhat-785006, Assam
<b>Bihar</b>	
1.	RP Sharma Institute of Technology, Patna, RPS Complex, Bailey Road (West) Danapur Patna - 801503 Bihar
2.	Netaji Subhas Institute of Technology, Amhara, Bihta, Patna- 801118 Bihar

<b>Chattisgarh</b>	
1.	Ashoka Institute of Technology & Management, Gram-Torankata, Post-Somni, G.E. Road, Rajnandgaon-491441, Chhattisgarh
2.	Dignity College of Architecture NH-6, Anjora, Opposite Govt. Veterinary Hospital, Durg-491001, Chhattisgarh
<b>Delhi</b>	
1.	Chhotu Ram Rural Institute of Technology & Pharmacy, Kanjhawala, (Ghevra), Delhi-110081
<b>Gujarat</b>	
1.	L. D. College of Engineering, Government of Gujarat, Near Navranpura, Ahmedabad - 380015, Gujrat
2.	Government Engineering College Shamlaji Road, Modasa - 383315, Gujarat
3.	Sree Tapi Brahmcharyashram Sabha College of Diploma Engineering Opp. Spinning Mill, Varachha Road, Surat - 395006, Gujarat
4.	Sardar Vallabhbhai Patel Institute of Technology, PO. Box No. 22, District – Anand, Vasad-388306, Gujarat
<b>Haryana</b>	
1.	M.M. Engineering College, M.M. Group of Institutions, Mullana Distt. Ambala, Haryana
2.	Lingaya's Institute of Management & Technology Nachauli, Old Faridabad, Jasana Road, Faridabad - 121002, Haryana
3.	Haryana College of Technology & Management P.O.Box No.44 Ambala Road, Kaithal - 136027, Haryana
4.	Sat Kabir Institute of Technology & Management, Vill. Ladrawan, Teh. Bahadurgarh, Dist. Jhajjar, (Near Qutubgarh-Delhi Border), Haryana-124507
5.	NCR Polytechnic, Vill.-Kulasi, Bahadurgarh, Jhajjar, Haryana
6.	Delhi College of Technology & Management 77 Km Stone, NH-2, Gudhrana, Distt. Palwal Haryana-121105
7.	Lingaya's University Nachauli, Old Faridabad, Jasana Road, Faridabad-121002, Haryana
8.	NGF College of Engineering & Technology 71st K.M. N.H.-2, Delhi Mathura Highway (NCR), Palwal- 121102, Haryana
9.	Delhi Technical Campus 4th Km Stone, Main Bahadurgarh Badli Gurgaon Road, Naya Gaon, Bahadurgarh Distt. Jhajjar, Bahadurgarh-124507, Haryana
<b>Jharkhand</b>	
1.	Government Polytechnic P.O.- B. Polytechnic, Dhanbad-828130, Jharkhand
2.	Cambridge Institute of Technology Tatisilwai, Ranchi-835103, Jharkhand
3.	Government Polytechnic Ranchi-834001, Jharkhand

4.	Mining Institute, P.O. – B. Polytechnic Dhanbad-828130 Jharkhand
<b>Himachal Pradesh</b>	
1.	MIT College of Engineering & Management Bani (Barsar) Distt. Hamirpur Himachal Pradesh-174384
2.	Baddi University of Engineering Science & Technology Makhnumajra, Nalagarh, District-Solan, Baddi Highway, Solan-173101, Himachal Pradesh
3.	Himachal Institute of Engineering and Technology Vidyanagar (Near Central University, Shahpur, District- Kangra-176223 Himachal Pradesh
4.	School of Architecture, APG Shimla University Shoghi- Mehli by Pass Road, Near Panthaghati, Shimla- 171009, Himachal Pradesh
<b>Jammu &amp; Kashmir</b>	
1.	National Institute of Technology & Science, Indira Nagar, P.O. Miran Sahib, Jammu – 181001, Jammu & Kashmir
2.	Institute of Engineering & Computer Sciences, Purkhoo Camp, Domana, Jammu- 181001, Jammu & Kashmir
3.	Government College of Engineering & Technology, Old University Campus, Canal Road Jammu-180004, Jammu & Kashmir
4.	Royal Polytechnic College 55-Gogji Bagh, Srinagar-190001, Jammu & Kashmir
5.	SSM College of Engineering & Technology Parihaspora, Pattan, Baramulla , Srinagar-193121, Jammu & Kashmir
<b>Karnataka</b>	
1.	Anjuman Engineering College Anjumanbad, P.O.Box No.24 Bhatkal – 581320 Karnataka
2.	Bapuji Institute of Engineering & Technology, Post Box No. 325, Davangere-577004 Karnataka
<b>Kerala</b>	
1.	Matha College of Technology, Manakkappadi, N. Paravur, Ernakulam-683511 Kerala
2.	Mangalam College of Engineering Mangalam Campus, Ettumanoor Kottayam- 686631 Kerala
3.	MES College of Engineering, Kuttippuram Thrikkannapuram P.O., Malappuram District. -679573 Kerala
4.	SSM Polytechnic College Tirur- 676105, Kerala
<b>Madhya Pradesh</b>	
1.	Shri G.S. Institute of Technology & Science, 23, Park Road, Indore, Madhya Pradesh
2.	Rishiraj Institute of Technology, Village- Revati, Sanwar Road, Indore, Madhya Pradesh
3.	Mansarovar Institute of Science & Technology Mansarovar Campus, Kolar Road, Bhopal- 462042, Madhya Pradesh

4.	Govt. Polytechnic College Shahdol, Madhya Pradesh
5.	Jawaharlal Institute of Technology, "Vidya Vihar" Borawan, Tehsil Kasrawad, Distt. Khargone – 451228, Madhya Pradesh
6.	Lakshmi Narain College of Technology, Kalchuri Nagar, Raisen Road, P.O. Kolua, Bhopal – 462021, Madhya Pradesh
7.	NRI Institute of Technology & Management, Near Railway Bridge, Jhansi Road, Gwalior, Madhya Pradesh
8.	Truba Institute of Engineering & Information Technology, Karond Gandhi Nagar By Pass Road, Bhopa, Madhya Pradesh
9.	Sarder Patel College of Technology (Engg.) Sardar Patel Campus, Gyakhuri, Balaghat-481001, Madhya Pradesh
10.	Bapu Institute of Technology & Management Opp. Village Jaderua, N.H.3, A.B. Road, Morena- 746001, Madhya Pradesh
11.	Global Institute of Engineering & Science, Niwali Road, Gran-Chatli (Sendhwa) District-Barwani, Sendhwa, Madhya Pradesh
<b>Maharashtra</b>	
1.	Pravara Rural Engineering College, Loni, A/P. Loni-413736, Tal. Rahata, Dist. Ahmednagar, Maharashtra
2.	Mahatma Gandhi Missions, Jawaharlal Nehru Engineering College, N-6, CIDCO, Aurangabad – 431003 Maharashtra
3.	G.H. Raison College of Engineering, CRPF Gate No. 3, Hingna Road, Digdoh Hills, Nagpur – 440016, Maharashtra
4.	Kavikulguru Institute of Technology and Science, Ramtek – 441 106, Nagpur, Maharashtra
5.	Bharati Vidyapeeth University College of Engineering, Pune-Satara Road, Dhankawadi Pune - 411043 , Maharashtra
6.	Aurangabad College of Engineering Gut No. 52, Tuljapur Shivar, (Savangi) Jalgaon Road, Aurangabad-431008 Maharashtra
7.	Trimurti Institute of Technology (Polytechnic) S. No. 227/2, Paldhi Bk., Next to North Maharashtra University, Tal. Dharangaon Dist. Jalgaon- 425103, Maharashtra
<b>Odisha</b>	
1.	Dhaneshwar Rath Institute of Engineering & Management Studies, (Diploma Wing), Kairapari, Kotsahi (Tangi), Cuttack – 754022, Orissa
2.	Krupajal Engineering School Prasanti Vihar, Pubasason, Kausalya Ganga Bhubaneswar – 751002 Orissa
3.	KIIT University, AT/PO. : KIIT, Bhubaneswar – 751024, Orissa
4.	Black Diamond College of Engineering & Technology, Jharsuguda (BDCET) At : Balijori, L & T Dhutra Road, Jharsuguda, Orissa-768202
5.	Sanjay Memorial Institute of Technology, Chandipadar, Via : Bhattakumarada, Berhampur, Dist.-Ganjam-761003 , Orissa
6.	Gopal Krishna College of Engineering & Technology, I.E.M., Gourahari Vihar, P.O.-Raniput, Jeypore, Koraput, Odisha-764005
7.	Orissa Engineering College, Nabajyoti Vihar, Nijigarh Kurki, P.O.-Harirajpur, Jatni, Bhubaneswar-752050, Orissa

8.	Suddhananda Engineering & Research Centre, At-Nachhipur, P.O. : Bhatapatana, Bhubaneswar, Dist : Khurda, Orissa -752115
9.	Raja Kishore Chandra Academy of Technology (Polytechnic), At/Po : Nilgiri, Dist : Balasore, Balasore-756040, Orissa
10.	Suddhananda Residential Polytechnic At – Nachhipur, PO-Bhatapatana, Dist. Khurda-751012, Bhubaneswar
11.	SGI School of Architecture At-Nachhipur, Po-Bhatapatana, Dist-Khurda- 752115, Orissa
<b>Punjab</b>	
1.	Lovely Institute of Technology (Architecture), Jalandhar-Ludhiana, G.T.Road, Near Chehru Railway Bridge, Phagwara, Kapurthala-144402, Punjab
2.	Desh Bhagat Engineering College, Amlah Road, Mandi Gobingarh, Punjab
3.	Guru Nanak Dev Engineering College, Gill Road, Ludhiana, Punjab
4.	Institution of Engineering & Technology Bhaddal, Ropar, Punjab
<b>Rajasthan</b>	
1.	Sri Balaji College of Engineering & Technology, Benad Road (Dadi Ka Phatak), Jaipur – 302013, Rajasthan
2.	College of Engineering and Technology, Bikaner, Kani Industrial Area, Pugal Road, Bikaner-334005, Rajasthan
3.	Aayojan School of Architecture ISI-4, RIICO Institutional Block Sitapura, Goner Road Jaipur-302022 ,Rajasthan
4.	Aryabhatta College of Engineering and Research Centre Ajmer- 305001 Rajasthan
5.	Saraf Institute of Engineering & Technology Tibbi Road- Extension, Hanumangarh Town Rajasthan-335513
6.	Siddhi Vinayak Engineering & Management College E-I, B-1, M.1.A., Institution Area Alwar-301001 Rajasthan
7.	SLBS Polytechnic College NH-112, Jodhur-Jai0pur Highway, Dangias, Jodhpur-342027, Rajasthan
8.	SLBS Engineering College NH-112, Jodhpur-Jaipur Highway, Dangias, Jodhpur-342027, Rajasthan
9.	Laxmi Devi Institute of Engineering & Technology Alwar-Tijara-Delhi Highway, Chikaani, Alwar- 301028, Rajasthan
<b>Tamil Nadu</b>	
1.	Apollo Priyadarshanam Institute of Technology Panruti, Sriperumbudur Taluk, Kancheepuram District, Chennai-631604, Tamil Nadu
<b>Uttrakhand</b>	
1.	Dehradun Institute of Technology, Mussoorie-Diversion Road, P.O. – Bhagwantpur, Dehradun, Uttrakhand
2.	Drona's College of Management & Technical Education Opposite Rajpur, Bypass, Sahastradhara Road, PO : Gujarada Dehradun-248001 Uttrakhand
<b>Uttar Pradesh</b>	
1.	Bundelkhand Institute of Engineering & Technology, Kanpur Road, Jhansi – 284128, Uttar Pradesh

2.	Radha Govind Engineering College, Anuyogipuram ,Near Medical College Garh Road, Meerut – 250004, Uttar Pradesh
3.	Gandhi Polytechnic, Muzaffarnagar, Uttar Pradesh
4.	Hewett Polytechnic, Lucknow, Mahanagar, Lucknow, Uttar Pradesh
5.	Lucknow Polytechnic Lucknow, Abhyantrik Upnivesh, Krishna Nagar, Kanpur Road, Lucknow Uttar Pradesh
6.	Sevdie Institute of Management & Technology, (S.I.M.T), Chinhat Deva Road, Lucknow, Uttar Pradesh
7.	North India Institute of Technology 7 <sup>th</sup> km Bundki Road,Najibabad Dist. Bijnor,Bijnor-246763 Uttar Pradesh
8.	Devprayag Institute of Technical Studies Devprayag Technical Campus, Phaphamau, Allahabad, Uttar Pradesh
9.	Jaswant Singh Bhadauria Institute of Technology Kosi Khurd Bharatpur Road Mathura- 281005, Uttar Pradesh
10.	Sunderdeep College of Architecture NH-24, Sunder Deep Nagar Delhi-Hapur Road Dasna Ghaziabad-201001Uttar Pradesh
11.	Goel Institute of Technology & Management Lucknow –Faizabad Road, Near Indiar Canal Lucknow-227105Uttar Pradesh
12.	M G Institute of Management & Technology 8 <sup>th</sup> Km. Mile Stone from Amausi Airport, Lucknow-Kanpur Highway, Banthara,Lucknow-227101Uttar Pradesh
13.	Institute of Engineering & Rural Technology , Allahabad, 26, Chaitham Lines, Allahabad-211002, Uttar Pradesh
14.	Hanswahini Institute of Science & Technology (Polytechnic) Mahuari Chakia (Near ITI Company), Post-Nibi, Nainin, Allahabad- 211008, Uttar Pradesh
15.	Dreams College of Polytechnic 5 <sup>th</sup> Km Milestone, Janta Road, Saharanpur- 247001, Uttar Pradesh
16.	Shanti Niketan Group of Institutions NCR Knowledge City, Goon-Gejha Road, Mohiuddinpur, Meerut- 201205, Uttar Pradesh
17.	Dev Bhoomi Group of Institutions Dabki Road, Village-Beri Jama, Post-Baliyakheri, Distt-Saharanpur, Saharanpur- 247001, Uttar Pradesh
<b>West Bengal</b>	
1.	North Calcutta Polytechnic, 15, G.M. Lane, Kolkata-700002, West Bengal
2.	Camellia School of Engineering & Technology, Nadibhag, P.O.-Kajipara, Barasat, Kolkata-700124, West Bengal
3.	JIS College of Engineering, Block "A" Phase-III, Kalyani, Nadia, West Bengal-741235
4.	Rajmati Prichand Bothra Memorial Jiaganj College of Engineering & Technology (RPBM) At - Hatibhjan, PO. Jiagan, Dist. – Murshidabad-742123, West Bengal
5.	Narula Institute of Technology 81, Nilgunj Road, Agarpara,Kolkata-700109 West Bengal
6.	Sanaka Educational Trust's Group of Institutions B-150, Columbia Street, Bidhan Nagar,P.O. Malandighi, P.S. Kanksa, Burdwan Durgapur-713212

7.	The New Horizons Institute of Technology Phase-II, City Centre, South G.T. Road Durgapur-713208, District.- Burdwan, West Bengal.
8.	Ideal Institute of Engineering Kalyani Shilpanchal, P.O. & P.S. – Kalyani Dist.- Nadia West Bengal-741235
9.	IMPS College of Engineering & Technology Malda Nityanandapur, P.O- Chandipur (Kajigram),Malda-732103,West Bengal

### ABSTRACT

Sl.No.	State	No. of MoUs
1.	Andhra Pradesh	10
2.	Assam	6
3.	Bihar	2
4.	Chhattisgarh	2
5.	Delhi	1
6.	Gujarat	4
7.	Haryana	9
8.	Himachal Pradesh	4
9.	Jammu and Kashmir	5
10.	Jharkhand	4
11.	Karnataka	2
12.	Kerala	4
13.	Madhya Pradesh	11
14.	Maharashtra	7
15.	Odisha	11
16.	Punjab	4
17.	Rajasthan	9
18.	Tamil Nadu	1
19.	Uttarakhand	2
20.	Uttar Pradesh	17
21.	West Bengal	9
	<b>Total</b>	<b>124</b>

## Professional Vistas

<ul style="list-style-type: none"> <li>• <b>Recognition by Govt. of India, Ministry of Human Resource Development, Department of Higher Education</b> vide Gazette Notification No. F.24/1/2007-TS.III Dated 06.11.2007.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of National Capital Territory of Delhi</b> vide letter No.1(1)/2008-DD/SB/1520/5609 Dated 29.10.2008.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Association of Indian Universities (AIU)</b> vide letter No. EV/III (366)/2008/71 Dated 11.04.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Shapoorji Pallonji &amp; Co. Ltd.</b> vide letter No. Nil Dated 30.10.2008.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by All India Council for Technical Education (AICTE)</b> vide letter No. Eqvi./AB/Gen.Corr./2008-09 Dated 16.09.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Andhra Pradesh</b> vide letter No. 10232/EC.2/2008-02 Dated 05.11.2008.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Union Public Service Commission (UPSC)</b> vide letter No. F.2/1/2007-EIB Dated 30.06.2009.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Administration of Daman &amp; Diu (UT)</b> vide letter No. 10.2 (PART-IV) EST-GP/2008-09/797 Dated 11.11.2008.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition for GATE by National Coordinating Board-Gate, Deptt. of Education, MHRD, Gol.</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by CPWD- Central Public Works Department, Government of India</b> vide letter No.A-12021/1/2006-EC VI/74-75 Dated 19.01.2009.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Goa</b> vide letter No.12/11/87-PER/Vol.II Dated 06.03.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Visvesvaraya Technological University, Karnataka</b> vide letter No. VTU/Aca/OS-GC/2009-10/2118 Dated 04.06.2009</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Directorate of Technical Education, Haryana</b> vide letter No.351-53/Dev. Dated 13.06.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Nagaland</b> vide letter No. IT/10-1/04 Dated 30.07.2009</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Kerala</b> vide letter No.3946/GI/08/H. Edn Dated 08.07.2008</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Uttarakhand, PWD, Pauri Garhwal</b> vide letter No.1011/20(15) E.A.-Parv./09-10 Dated 06.09.2009.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by RITES Limited</b> vide letter No. RITES/RI/RCED/Misc/2008 Dated 14.07.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Chhattisgarh, Department of Technical Education, Manpower Planning, Science &amp; Technology, Mantralaya, D.K.S Bhavan, Raipur</b> vide letter No.F-14/07/42 Dated 11.05.2010.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Delhi Development Authority (DDA)</b> vide letter No.F.7(98)2008/PBI/2399 Dated. 20.08.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Punjab, Technical Education and Industrial Training, Punjab Chandigarh.</b> vide letter No.1362 Dated 24.06.2010.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Meghalaya</b> vide letter No. FDN.156/2001/249-A Dated 21.08.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Rural Electrification Corporation Limited (A Government of India Enterprises)</b> vide letter No. REC/ED(HR)/Trg./2010-11/ Dated 10.08.2010</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by IRCON INTERNATIONAL LIMITED</b> vide letter No. IRCON/HRM/31/28/728 Dated 01.09.2008.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Cement Corporation of India Ltd. (A Government of India Enterprises)</b> vide letter No. PD/HRD/6/6/2010/6119 Dated 12.08.2010</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Directorate General Border Roads</b> vide letter No. 13616/Gen/Rect /DGBR/97/E1A Dated 21.10.2008.</li> </ul>	

<ul style="list-style-type: none"> <li>• <b>Recognition by Delhi Metro Rail Corporation Ltd.</b> vide letter No DMRC/O&amp;M/HR/2010 Dated 20.08.2010</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by All India Management Association (AIMA)</b> Vide No. MAT/M-14 Dated 18.12.2013</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Oil and Natural Gas Corporation Ltd. Rectt. Section, Tel Bhawan, Dehradun</b> vide letter No. 7(2)/PR-Rectt./2010 Dated 26.08.2010</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Jawaharlal Nehru Technological University, Hyderabad</b> Vide No. MAT/M-14 Dated 18.12.20A1/1640/2014 Dated 07.01.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Anna University Chennai, Chennai-600025</b> vide letter No.2664?AU/DD1-DAC/2011/F21 Dated 07.01.2011</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by NHPC Limited</b> Vide letter No.NH/HR/Rectt./060/Int.Ind./2014/308 Dated 17.07.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Government of West Bengal, Directorate of Technical Education &amp; Training, Kolkata</b> vide letter No.728 TET Dated 28.03.2011</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Instrumentation Limited</b> Vide letter No. IL/CPD/Rectt-73/2014-15 Dated 18.07.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Government of Karnataka</b> Vide Govt. order No. ED 21 UTV 2012 Dated 09.03.2012</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Rajasthan Technical University</b> Vide website Notification dated 07.07.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by State Board of Technical Education and Training, Andhra Pradesh, Hyderabad</b> Vide letter No. No. Lr.No.SBTEL/B5-775/596/EQUI/2012 Dated 02/04/2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by XAT</b> Vide Fax dated 14.11.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Maharshi Dayanand University Rohtak</b> Vide letter No. AC-3/2013/F-207/4085-98 Dated 26.04.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by University of Mumbai</b> Vide letter No. Elg/2331 of 2014 dated 26.11.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Andhra Pradesh Public Service Commission</b> Vide letter No.1549/RN/2012 dated 29.04.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Army</b> Vide letter No.B/60202/ RTG UES dated 28.11.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by CAT</b> Vide e- mail Dated 23.07.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Mahatma Gandhi University, Kerala</b> Vide letter No. AcD/02/4092/2014 dated 2.12.2014</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Birla Institute of Technology, Mesra Ranchi-835215</b> Vide letter no. GO/ICE(I)/13-14/3781 Dated 05.08.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Assam Don Bosco University, Assam</b> Vide letter No. DBU/SM/33/15-01 dated 3rd March,2015</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Recognition by Public Service Commission, West Bengal</b> Vide No. 101PSC(S&amp;R)/2M-1/09(S&amp;R)(Pt) Dated 07.08.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Counselling Cell of Directorate of Technical Education Government of Madhya Pradesh</b> Vide Website details : Dte.mponline.gov.in</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Karnataka Public Service Commission</b> Vide No. R(i)484/13-1 Dated 30.09.2013</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recognition by Govt. of Himachal Pradesh</b> Vide letter No. EDN(TE)F(10)1/2012 dated 24<sup>th</sup> August,2015</li> </ul>
<ul style="list-style-type: none"> <li>• <b>The Institution of Engineers (India)</b> Vide No. EEA/ACC/3179/A KG Dated 11.11.2013</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Meghalaya Public Service Commission</b> Vide No. MPSC/E-27/2011-2012/85 Dated 15.11.2013</li> </ul>	

**An  
Ever  
Expanding  
List  
Of  
Recognition  
Of  
ICE(I)  
Examinations**

[ TO BE PUBLISHED IN PART-1 SECTION -I OF GAZATTE OF INDIA ]

Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
\*\*\*\*\*

Shastri Bhawan, New Delhi,  
the 6<sup>th</sup> November, 2007

**NOTIFICATION**

**No.F.24 – 1 / 2007 – TS.III.** On the recommendations of the High Level Committee for recognition of Educational Qualifications in its meeting held on 22<sup>nd</sup> May 2007, the Government of India has decided to give recognition to the Section A & B of Associate Membership course, equivalent to Degree and Part – I & II of Technician Engineers (T) equivalent to Diploma in Civil Engineering and Architecture Engineering Courses conducted by the Institution of Civil Engineers (India), Ludhiana (Punjab) as per syllabus approved by All India Council for Technical Education (AICTE) w.e.f. the academic session 2007 – 2008 for the purpose of employment to the posts and services under Central Government in the appropriate field. It is subject to the conditions that the total number of candidates who can be admitted for the said examination would not exceed the authorized strength of the concerned Institutions with which Institution of Civil Engineers (India), Ludhiana (Punjab) has entered into Memorandum of Understanding (MOUs). A review in respect of recognition of educational qualifications shall be made by Ministry of Human Resource Development after one year through All India Council for Technical Education (AICTE).

(RAVI MATHUR)

Joint Secretary to the Government of India  
Tel: 2338 1097

To

The Manager,  
Government of India Press,  
Faridabad.

..contd./-

(भारत के राजपत्र के भाग-1 खण्ड-1 में प्रकाशन के लिए)

भारत सरकार  
मानव संसाधन विकास मंत्रालय  
उच्चतर शिक्षा विभाग

शास्त्री भवन, नई दिल्ली

6 नवम्बर, 2007

### अधिसूचना

सं.एफ. 24-1/2007-टी.एस.111 शैक्षणिक योग्यताओं को मान्यता प्रदान करने के लिए उच्च स्तरीय समिति की दिनांक 22 मई, 2007 की बैठक में की गई सिफारिशों के आधार पर भारत सरकार ने उपर्युक्त क्षेत्र में केन्द्रीय सरकार की सेवाओं तथा पदों पर रोजगार देने के उद्देश्य से शैक्षणिक सत्र, 2007-08 से सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) के अखिल भारतीय तकनीकी शिक्षा परिषद द्वारा अनुमोदित पाठ्यचर्या अनुसार संचालित सिविल इंजीनियरी और वास्तुकला इंजीनियरी पाठ्यक्रमों में एसोशिएट सदस्यता पाठ्यक्रम की धारा (क) और (ख) को डिग्री के समकक्ष और तकनीकी इंजीनियरों (त) के भाग 1 और 11 को डिप्लोमा के समकक्ष मान्यता प्रदान करने का निर्णय लिया है। यह मान्यता इस शर्त के अधीन होगा कि अभ्यर्थियों की कुल संख्या उक्त परीक्षा के लिए सम्बन्धित संस्थान की अधिकृत दाखिला क्षमता से अधिक नहीं हो जिसके साथ सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) ने संगम ज्ञापन किया है। मानव संसाधन विकास मंत्रालय एक वर्ष के बाद अखिल भारतीय तकनीकी शिक्षा परिषद के माध्यम से शैक्षणिक योग्यताओं की मान्यता की पुनरीक्षा करेगा।

(रवि माथुर)

संयुक्त सचिव, भारत सरकार

दूरभाष: 23381097

सेवा में,

प्रबंधक

भारत सरकार प्रैस

फरीदाबाद।

Please visit ICE(I) Notification At MHRD Website :  
[www.education.nic.in/Tech/Recoeduqualfs.pdf](http://www.education.nic.in/Tech/Recoeduqualfs.pdf)

## SNIPPETS

### JULY - 2015

#### Recognition by dte. mponline.govt.in to the Examinations conducted by ICE(I)

The Counselling Cell of Directorate of Technical Education Government of Madhya Pradesh, has recognized Associate Membership Examination in Civil Engineering for admission to Post Graduates Programmes in the University vide their website details : dte. mponline.govt.in.

### AUGUST - 2015

#### FDP & MDP Programmes conducted on 8th & 9th August, 2015 at GIET, Bhubaneswar

At the request of Ganesh Institute of Engineering & Technology (GIET) Group of Institutions Bhubaneswar, Director (PR), Mr. T.R.Piplani conducted Faculty Development Programme (FDP) for about 350 Faculty Members of the group and also delivered Management Development Programme (MDP) for their students on 8th & 9th August, 2015.

#### Recognition by Govt. of Himachal Pradesh

Govt. of Himachal Pradesh has recognized the examination conducted by ICE(I) for employment Vide their letter No. EDN(TE)F(10)1/2012 dated 24th August, 2015

#### Financial Inclusion Summit "Industry : Government Partnership for Pradhan Mantri Jan-Dhan Yojana

Financial Inclusion has a special significance for a growing economy like India as bringing the large sector of the productive sectors of the economy under formal financial network could unleash their creative capacities besides augmenting domestic demand on a sustainable basis

on the occasion of the first anniversary of PMJDY, the Confederation of Indian Industry (CII) under guidance of the Department of Financial Services, Ministry of Finance had organised the Financial Inclusion Summit on 27 August 2015. ICE(I) was represented at the Summit.

#### Expert Team Visit

Mr. T.R. Piplani, Director (PR) ICE(I) visited Vaikunth Mehta National Institute of Cooperative Management, Pune University Road, Pune - 411 007, Maharashtra as a Expert nominated by National Board of Accreditation, AICTE, Government of India for evaluation of its Management Programme for grant of NBA accreditation during during 29th to 30th August, 2015. It is a standalone Institution of Ministry of Agriculture, Govt. of India.

### SEPTEMBER - 2015

#### Engineers' Day Celebrations- 2015

The Institution of Civil Engineers (India) celebrated Engineers' Day on 15th September, 2015 at A.P. Shinde Symposium Hall, NASC Complex, Pusa, DPS Marg, New Delhi. The programme was inaugurated by Mr. Nihalchand, Hon'ble Minister of State Ministry of Panchayati Raj, Govt. of India & Mr. Manoj Tiwari, Hon'ble M.P. (Lok Sabha) was the Guest of Honour, details are available in the issue.

### **National Seminar on "Role Of Civil Engineers in Make In India"**

ICE(I) organized National Seminar on "Role Of Civil Engineers in Make In India" on 15th September, 2015. The Seminar was Chaired by Dr. Sudhir Krishna, IAS (Retd.) Ex-Secretary, Ministry of Urban Development, Govt. of India and the presentations made by NITI Aayog, JICA India Office, CSIR-CRRI, School of Planning & Architecture and Ministry of Skill Development and Entrepreneurship, Govt. of India. Detailed report in the issue.

### **5th Convocation of ICE(I)**

ICE(I) organized its 5th Convocation on 15th September, 2015. Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women was the Chief Guest. Candidates who had been successful completing their certification requirements for Associate Membership Examination & Technician Membership Examination were given Membership certificates in the convocation ceremony. Detailed report in the issue.

### **ICE(I) Expo-2015**

ICE(I) arranged for the second time exhibition on 15th September, 2015, titled "ICE(I) Expo-2015" in which leading builders and Govt. agencies participated. The Expo was inaugurated by Mr. Nihalchand, Hon'ble Minister of State Ministry of Panchayati Raj, Govt. of India details are available in the issue.

### **2nd Chapter of Handshake2015- Industry Academia Collaborations**

The Times Group organized unique initiative Academia Collaborations-robust alliances for tackling the problem of lacking job readiness in the new global knowledge economy, by bridging the skills gap. It was well attended by the industry and academia. ICE(I) was represented at the Summit on 25<sup>th</sup> September, 2015

### **3rd Skill Development Summit & Entrepreneurship Education Summit**

The education field has got greater prominence as the demands of the students are mounting high. The education arena is no more restricted to impart bookish knowledge rather it has entered into the arena of offering vocational and professional courses. Career Options Magazine organized the Summit on 2:30 P.M. 25th September 2015. This conference was focused on various aspects related to Skill Development. ICE(I) was represented at the Summit.

### **AIMA's 42nd National Management Convention "Making it Happen: Leadership in Times of High Expectations"**

AIMA has organized its flagship annual event - National Management Convention during 30th September -1st October, 2015. The Convention addressed a topical theme of national importance and was addressed by eminent speakers, including Ministers, CEOs and Thought Leaders from different spheres of life, who shared their views with participants through interactive sessions. It provided a platform by bringing together various stake holders for a constructive dialogue on the way forward for the Indian economy and well-rounded growth of the nation. It was well attended by delegates from Industry, Government, Media and Academia. ICE(I) was represented at the Convention.

## Alumni.....A Lifelong Relationship ! Keep it alive!

Alumni Engagement is at the core of the Institution of Civil Engineers (India). Keeping this in mind, the institution has worked towards building a strong alumni community and will continue to work in this direction.

**“Alumni are the true brand ambassadors of their Alma Mater and represent it everywhere they go. They truly reflect the values of the institution from which they have graduated.**

In order to actively engage our alumni, The Institution of Civil Engineers (India) encourages alumni participation to bring them together by providing a forum for meeting and exchange of views, to facilitate professional networking for mutual benefit and to contribute to the Institution’s efforts for achieving excellence in academics and research through sharing knowledge and expertise of its members in areas pertaining to academics, infrastructure, industry interactions and others, if any.

The Alumni are also invited for seminars, conferences, advancement programs etc. to enhance their learning’s which they can further use in their own respective work areas.

Keep reading this column for more news and updates on our Alumni.....!!.

The Members, who have not yet enrolled, may get in touch with us on [icei.alumni@gmail.com](mailto:icei.alumni@gmail.com) or at Delhi Office.

**Secretary General**



# The Institution of Civil Engineers (India)

Regd. Office: 'Career House' Bindra Complex, Model Town, Ludhiana (Punjab),  
Delhi office: 'Career House' 4, East Park Road, (Near New Rohtak Road), Karol Bagh, New Delhi-110005  
Email: [info@ice.net.in](mailto:info@ice.net.in) Website: [www.ice.net.in](http://www.ice.net.in)

## ALUMNI MEMBERSHIP FORM

1. Name : \_\_\_\_\_
2. Father's Name : \_\_\_\_\_
3. Course Completed from : Course : \_\_\_\_\_  
ICE(I) with details Membership No. : \_\_\_\_\_  
Roll No. : \_\_\_\_\_  
Session of Passing : \_\_\_\_\_
4. Contact details : e-mail id : \_\_\_\_\_  
Telephone Nos. : Office : \_\_\_\_\_  
Residence : \_\_\_\_\_  
Mobile : \_\_\_\_\_
5. Present Occupation with : \_\_\_\_\_  
Designation & Office Address
6. Correspondence Address : Residence: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Any special Achievement / : \_\_\_\_\_  
Awards \_\_\_\_\_  
\_\_\_\_\_

Dated.....

Signature of the Member

# PHOTO GALLERY

## INAUGURAL SESSION OF ENGINEERS DAY CELEBRATIONS – 2015

Warm Floral Welcome to the Dignitaries on the Dias



Mr. Nihalchand, Hon'ble Minister of State, Ministry of Panchayati Raj, Govt. of India



Dr. S.L. Swamy, Chairman, ICE(I)



Mr. Manoj Tiwari, Hon'ble M.P. (Lok Sabha)



Mr. P.P. Singh Bindra, Managing Chairman, ICE(I)



Mr. Prithipal Singh, Secretary General, ICE(I)



Er. Sagar Singh Thakur, Joint Secretary, ICE(I)

## LIGHTING OF LAMP

By the Chief Guest, Mr. Nihalchand, Hon'ble Minister of State, Ministry of Panchayati Raj, Govt. of India & other Dignitaries on the dias



## Presentation of mementos to the Chief Guest and Guest of Honour



## National Seminar on “Role of Civil Engineers in Make In India” Technical Session



**Session Chair** : **Dr. Sudhir Krishna, IAS (Retd.)**  
Ex-Secretary, Ministry of Urban Development, GoI

**Speakers** : **Dr. Manoj Singh**  
Adviser (Transport), NITI Aayog, GoI

**Er. Sanjeev Moholkar**  
Principal Development Specialist, JICA India Office.

**Dr. S. Velmurugan**  
HoD & Principal Scientist, CSIR-CRRI

**Prof. (Dr.) Virendra Kr. Paul**  
HoD - Bldg. Engg. & Mgt. , School of Planning & Architecture

**Er. Deepankar Mallick**  
DDG (T), DGE&T, Ministry of Skill Development and Entrepreneurship, GoI

### Presentation of Mementos by Dr. S.L. Swamy, Chairman, ICE(I)



**Dr. Sudhir Krishna**



**Dr. S. Velmurugan**



**Er. Sanjeev Moholkar**



**Er. Deepankar Mallick**



**Prof. (Dr.) Virendra Kr. Paul**

### Presentation of Memento to the Chief Guest by the Chairman, ICE(I)



**Prof. Nupur Prakash**  
Vice-Chancellor, Indira Gandhi Delhi Technical University for Women

### Conferment of Certificates/Academic Excellence Awards



### ICE(I) Expo-2015



## Presentation of Mementos to the few Participating Organizations





# ICEED Family Group Photograph



---

## **The Institution of Civil Engineers (India)**

(A Govt. of India Recognized Degree Level Institution)

**Regd. Off.** : 'Career House' Bindra Complex, Model Town, Ludhiana (Punjab)

**Delhi Off.** : 'Career House' 4, East Park Road, Karol Bagh, New Delhi-110005

Phone : 011-23629300/01/02/03 Fax : 011-23629304

**E-mail** : [info@ice.net.in](mailto:info@ice.net.in) **Website** : [www.ice.net.in](http://www.ice.net.in)