



The Institution of Engineers (India)  
*98 years of Relentless journey towards Engineering  
Advancement for Nation Building*



**33<sup>rd</sup> National Convention of  
Architectural Engineers and  
National Seminar on  
“ARCHITECTURAL ENGINEERING ASPECT FOR  
SUSTAINABLE BUILDING ENVELOPES”  
ArchEn-BuildEn-2017  
November 10-11, 2017**

*Under the aegis of*  
**Architectural Engineering Division , IEI**

*Organized by*

**The Institution of Engineers (India)  
Telangana State Centre**

*In association with*



**Indian Association of Structural Engineers**

*Supported by*



**Indian Green Building Council  
Hyderabad**



**NAC, Hyderabad**



**RMCMA, India**



**ASCI, Hyderabad**

**Venue :**

**“Visvesvaraya Bhavan”, Khairatabad, Hyderabad – 500 004, India**

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

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of more than 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 120 Centres located across the country. The Institution has established R&D Centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A& B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams.

For details, please see: [www.ieindia.org](http://www.ieindia.org)

### **The Institution of Engineers (India), Telangana State Centre**

The Telangana State Centre of the Institution of Engineers (India) has on its rolls more than 7946 Corporate Members covering fifteen disciplines of Engineering besides non-corporate Members to the order of 19791. The Telangana State Centre has been one of the most active Centres of the Institution of Engineers (India) which is engaged in successfully translating the objectives and ideals of IEI into practice. The present Telangana state Centre is legacy of erstwhile Hyderabad State Centre of Nizam's Hyderabad State.

### **About Hyderabad**

The ancient city of Hyderabad, once the Nizam's capital is now the capital of Andhra Pradesh. It is the fifth largest city in India, sprawled and flourished on the banks of river Musi. It is actually a twin city. Hyderabad

and Secunderabad cities have now fused into one. The new entity is a giant metropolis where North meets South and Consent meets Cosmopolitanism. The city is about 400 years young and is still growing fast. With the development of Hitec City at Madhapur, it has become the IT capital of India. The development of IT and IT-related activities has given a big boost to the all-round development of the city. It has now become a city where tradition fuses with modernity and heritage structures vie with modern high rise buildings to add to the beauty of the city. The city that thrives with a variety of cultures, has tried to create a distinct identity of its own. The twin cities have many landmarks, which have become places of attraction for tourists. These include Charminar, Golconda Fort, QutbShahi Tombs, Salarjung Museum, Lumbini and NTR Parks, Nehru Zoological Park, Birla Mandir and Planetarium, Ramoji Film City, Snow Park - to mention a few.

### **Theme of the Convention:**

The intricacy of a building design needs to create a healthy indoor environment with the application of traditional and new advanced building materials which are free of detrimental substances and allow design of energy-efficient building envelopes.

The aim of the 33<sup>rd</sup> National Convention and National Seminar on "ARCHITECTURAL ENGINEERING ASPECT FOR SUSTAINABLE BUILDING ENVELOPES" ArchEn-BuildEn 2017 is to bring together various existing , emerging research and training activities dealing with materials, building envelope systems, their design and the forecast of healthy, comfortable, energy and economically effective indoor environment, sustainable construction, etc. The aim of the national seminar is also to contribute to multidisciplinary and integrated design of buildings in which are involved architects, engineers, scientists, building industry, manufactures, etc. Contributions, which help to create the framework for better implementation of ecological principles into existing technical specifications, legislation and building practice, are also highly valued.

We cordially invite professionals from Architectural Engineering and also from the areas of material and products manufacturers, building physics, HVAC, EIA, design professionals, building managers, developers, investors and the representatives of the center, state and local administrations, code bodies, academics and researches.

A crucial feature of present strategy e.g. ECBC is energy efficiency, for without a drastic improvement in efficiency, we will not achieve energy reform. A definite deciding factor is the area of buildings. The Seminar underscores the essential of building envelopes for total energy consumption in buildings, with the aim of putting scientific know-how

into practice. The dialogue between science and practice should also promote the technology transfer and an inter-disciplinary procedure for building construction, which is vital for the realization of our energy strategy. Surely this seminar will contribute to a multidisciplinary, integrated planning approach by architects, engineers, scientists, manufacturers and the building industry to achieve sustainable building envelopes.

### **PROGRAMME MODULE:**

The programme of the National Seminar will consist of Inaugural Session, Six Technical Sessions, Panel Discussion and Valedictory Session. T S Narayana Rao Memorial Lecture will be delivered by eminent experts from the interdisciplinary fields of Architectural Engineering field. Experts from both industries and academia-research are being approached to deliver invited lectures broadly on the theme and following sub-themes of the National Seminar. Besides the Invited Talks, a limited number of selected technical papers are planned for presentation in the National Seminar.

### **Theme of the ArchEn-BuildEn 2017**

The main theme of the Convention and seminar is **"ARCHITECTURAL ENGINEERING ASPECT FOR SUSTAINABLE BUILDING ENVELOPES"**

### **The sessions will be as follows;**

- 1) Policies for Energy-efficient Construction and Refurbishment.
- 2) Membranes for High Performance Building Skins/envelopes.
- 3) Kinetic Architecture and Dynamic Daylight Control.
- 4) Design Methods for Sustainable, High-Performance Building Facades
- 5) New Forms of Concrete for Modern Building Envelopes
- 6) Inhabitants' version in Naturally Ventilated Buildings - Historical Development

### **Sub Themes of invited technical Papers /Speakers :**

- Indoor Environment and its Hygienic Aspects
- Sustainable Buildings and Environmental Assessments
- Building Materials and Components
- Energy Performance of Buildings
- Hygrothermal Performance of Buildings
- Responsive and Adaptive Building Envelopes
- Ventilation of Buildings

- Daylighting
- Building Acoustic
- Energy and Indoor Environmental Simulation
- Recent advances in facades

**CALL FOR PAPERS:**

Technical Papers are invited relevant to the theme of the Convention. Each Technical paper contributed by an author may not exceed 10000 words with relevant tables and figures (Each Table / figure shall be equivalent to 500 words) in MIS word.

**DATES TO REMEMBER:**

Receipt of ABSTRACT (not exceeding 500 words)  
 Abstracts can be Sent by e-mail also 30<sup>th</sup> Sept., 2017  
 Receipt of Full Text of Paper as per the Format 25<sup>th</sup> Oct., 2017  
 Dates of Convention 10-11 November, 2017

**Language and Venue:**

Convention will be presented in English and will be held at the Institution of Engineers (India), Telangana State Centre, Khairatabad, Hyderabad.

**PROGRAMME**

**10th November, 2017 (Friday)**

0830 to 0930 hrs	REGISTRATION
0930 to 1100 hrs	<b>INAUGURAL SESSION</b> (including Keynote Address and Felicitation of Eminent Architectural Engineers)
1100 to 1130 hrs	HIGH TEA
1130 to 1215 hrs	T S Narayana Rao Memorial Lecture
1215 to 1300 hrs	State-of-the-Art-Lecture
1300 to 1400 hrs	LUNCH
1400 to 1530 hrs	Technical Session I
1530 to 1600 hrs	Tea
1600 to 1730 hrs	Technical Session II
1730 to 1830 hrs	Technical Session III
1830 to 1930 hrs	Cultural Programme
1930 hrs	Convention Dinner

## **11th November,, 2017 ( Saturday)**

0930 to 1100 hrs	Technical Session IV
1100 to 1130 hrs	TEA
1130 to 1300 hrs	Technical Session V
1300 to 1400 hrs	LUNCH
1400 to 1530 hrs	Technical Session VI
1530 to 1600 hrs	TEA
1600 to 1700 hrs	<b>VALEDICTORY SESSION</b>

### ***PARTICIPATION:***

The National Convention of Architectural Engineers and National Seminar on “ Architectural Engineering Aspect for Building Envelopes” is an ideal platform for personnel working Cement and Concrete Manufacturers; Architects; Architectural, Civil Engineers and Consultants; Construction Companies; Consultancy Organizations; Builders; Researchers and Students; Academicians; Practicing Engineers on Government and Public Sector Undertakings.

### **Attendance at the Convention and Seminar:**

Convention and Seminar will be time tabled to allow delegates a number of attendance options. Delegates may combine attendance at the event with pre-or-post Conference tours enjoying Hyderabad Culture and local tours can be arranged through the dedicated travel agent.

### ***TECHNICAL VOLUME:***

Technical Volume (size A4) will be brought out on this occasion for distribution to the delegates as well as to various related organizations across the country. Advertisements from various organizations for publishing in the Technical Volume./ The tariff is indicated below:

### **Advertisement in the Souvenir**

<b>Back Cover (Outside) Multi Colour</b>	<b>Rs. 40,000/-</b>
<b>Front Cover (Inside) Multi Colour</b>	<b>Rs., 30,000/-</b>
<b>Back Cover (Inside) Multi Colour</b>	<b>Rs. 20,000/-</b>
<b>Full Page Multi Colour (inside)</b>	<b>Rs. 10,000/-</b>
<b>Full Page Black&amp; White</b>	<b>Rs. 6,000/-</b>
<b>Half Page Black &amp; White</b>	<b>Rs. 2,500/-</b>

**Note: GST 18% extra**

## REGISTRATION FEE:

Registration of Delegates will be made in advance by remitting the registration fee as indicated below along with the registration form and other requirements:

<b>PAYMENT MILESTONE</b>	<b>Members of IEI</b>	<b>Members of associated and supporting organizations</b>	<b>Student Member</b>	<b>NON-MEMBER</b>
<b>Before</b> 30 <sup>th</sup> September 2017	Rs.2,000.00	Rs.3,000.00	Rs.500.00	Rs.4,000.00
<b>After</b> 15 <sup>th</sup> October 2017		Rs.4,000.00	Rs.750.00	Rs.5,000.00

Note: GST 18% extra

Delegate Registration charges includes : Kit bag, Lunch, Tea/Coffee.

## Tariff for sponsorship is given below:

### SPONSORSHIP: Tariff for Sponsorship is given below:

<b>Categories</b>	<b>Privileges and Sponsorship</b>	
<b>Principal Sponsor</b>	<b>Rs. 2,00,000/-*</b>	15 Delegates + Full page Advertisement on Art Paper in Multi-colour
<b>Sponsor</b>	<b>Rs. 1,00,000/-*</b>	10 Delegates + Inside full Page Advertisement on Art Paper in Multi Colour
<b>Co-Sponsor</b>	<b>Rs.50,000/-*</b>	5 Delegates + Inside Full Page Advertisement
<b>Sponsoring one Lunch</b>	<b>Rs. 30,000/-</b>	Sponsorship will be acknowledged by displaying banners indicating the names of Sponsors. They can also exhibit their products at the Seminar + One Delegate.
<b>Sponsoring one Dinner</b>	<b>Rs. 50,000/-</b>	
<b>Delegate Kit</b>	<b>Rs. 50,000/-</b>	
<b>Tea after Inaugural</b>		
<b>Programme</b>	<b>Rs. 15,000/-</b>	

\*GST 18% extra

\* Sponsors Profile will be included one full page of Technical Volume

**EXHIBITION:**

An exhibition is also being organized with an aim to provide an opportunity to all construction .exhibit their various products for the benefit of delegates and others.

10' x 10' space will be provided at a nominal amount of Rs. 20,000/- . For the Exhibitors one Inside ( B & W) advertisement and one free delegate will be extended.

**PAYMENTS:**

All payments to be made through A/C payee cheque / RTGS/ JEFT

**BANK ACCOUNT DETAILS:**

Name of the A/C	THE INSTITUTION OF ENGINEERS (INDIA) TELANGANA STATE CENTRE
Bank Name & Address	STATE BANK OF INDIA, PBB RB ROAD BRANCH KHAIRATABAD, HYDERABAD – 500 004
Current Account No.	36001175962
IFSC Code	SBIN0004159

All Correspondence to be addressed to:  
The Organizing Secretary

***33<sup>rd</sup> National Convention of Architectural Engineers***

The Institution of Engineers (India), Telangana State Centre  
Visvesvaraya Bhavan, Khairatabad, Hyderabad – 500 004  
Phone: 040-23314969

Email: [ieitelangansc@gmail.com](mailto:ieitelangansc@gmail.com) | [telanganasc@ieindia.org](mailto:telanganasc@ieindia.org)  
Website: [www.ieitsc.org](http://www.ieitsc.org)



## **NATIONAL ADVISORY COMMITTEE**

**Chairman:** Er Navinchandra B Vasoya, FIE, President, IEI

**Co-Chairman:** Er H K Mittal, FIE, Chairman, ARDB, IEI

**Convener:** Er S P Anchuri, MIE, Member, IEI, TSCC

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**Mr. Sandip Kumar Deb**, FIE, Member, ARDB, IEI

**Mr. Praveen Jain**, FIE, Member, ARDB, IEI

**Dr S Satyanarayana**, FIE, Chairman, IEI, TSC

**Er G Rameshwar Rao**, FIE, Hon. Secretary, IEI, TSC

**Er Avinash Shirode**, FIE, Nasik

**Er Vijay Kulkarni**, Technical Advisor, Quality Council of India (QCI)

**Er.K G K Moorthy**, Director, Corporate, Cera-Chem Private Limited

**Er.K.Bikshapati**, Director General, NAC, Hyderabad.

**Dr. N V Ramana Rao**, FIE, Rector, JNTUH, Hyderabad.

**Er C Sekhar Reddy**, Chairman, IGBC, Hyderabad.

**Er Manoj Mittal**, President, IAStructure

## ORGANIZING COMMITTEE

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- Co-Chairman:** **Er. V Srinivas**, FIE Chief Executive Officer, Synergy Infra
- Org. Secretary** **Er G Rameshwar Rao**, FIE, Hon.Secretary, IEI, TSC
- Convener:** **Er S P Anchuri**, MIE, Jt. Hon. Secretary, IEI, TSC
- Co-Convener:** **Er C Yedukondalu**, Member, IAStructE
- Co-Convener:** **Er.Vidap Ramakrishna**,  
M/s Vidap Speed Dry Mix India Pvt. Ltd

### **Members:**

- Er. B Ramagopal**, FIE, Founder and Principal Consultant. Navale Consulting Group, Hyderabad.
- Er. N Mavul Rao**, Member, IAStructE
- Er.P Pavana Krishna**, Member, IAStructE, Karimnagar
- Er. K Krishna**, Chief Consultant, Sarathi Consultants, Hyderabad.
- Er. Kapila Saradha**, MIE, Professor and Principal, Ashoka School of Planning and Architecture, Hyderabad
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- Er. K Vasu**, Member, RMCMA, Hyderabad.
- Er S S Mouray**, Member, IAStructE
- Dr. Hamraj**, HOD, MJCIT, Hyderabad
- Dr. V. Mallikarjuna Reddy**, HOD, GRIET, Hyderabad
- Er. Mohd. Nayeem**, Senior Engineer, Nizamabad
- Shri N. Narender Reddy**, Member, RMCMA, Hyderabad.
- Er. M. Koteswar Rao**, MIE, Member, IEI, TSCC
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- Er Mohd. Anwar**, Senior Engineer, Mahaboobnagar
- Dr Archana Dongre**, HOD, VJIT, Ranga Reddy
- Dr Selin Ravi Kumar**, HOD, SamskruthiEngg. College, Hyderabad
- Er S Narsing Rao**, Principal, JNG Polytechnic, Ramanthapur
- Er Mohd. Hidayath Ali**, Hon. Secretary, ACCE (I), Karimnagar

## **TECHNICAL COMMITTEE**

- Chairman:** Er.Pradeep Kumar Ramancharla,  
Registrar, IIIT-Hyderabad.
- Co-Chairman:** Prof.K.R.Ramana, NAC,Hyderabad
- Convener:** Er. S. Mahender Reddy, MIE, Member, IAStructE
- Co-Convener:** Er. N Mavul Rao, Member, IAStructE
- Co-Convener:** Er. Rajkiran Bilolikar, ASCI, Hyderabad

### **Members :**

- Shri V Sandeep Kumar**, Counsellor, IGBC, Hyderabad
- Er. A Ambadas**, Member, IAStructE.
- Er. M Nagaraj**, MIE, Consulting Architectural Engineer, Hyderabad.
- Er. V S V Ramana Murthy**, JNAFAU, Hyderabad.

## REGISTRATION FORM

33rd National Convention of Architectural Engineers and  
National Seminar on  
**"Architectural Engineering Aspect for Building Envelopes"**  
**November 10-11, 2017**

1. Name (Block letters) .....
2. Designation & Organization .....
3. Mailing Address : .....
4. Tel (O) ..... (R) .....
5. Fax: ..... email: .....
6. Organization / Company Sponsored Delegates / Member of IEI /  
Engineering College Students (Strike off not applicable)
7. IEI Membership Grade & Number : .....
8. Registration Fee enclosed Rs. ....  
Total amount enclosed Rs. ....
9. Mode of Payment: A/C Payee Cheque / RTGS / NEFT  
Bank Account Details:  
Name of the A/c: **THE INSTITUTION OF ENGINEERS (INDIA),  
TELANGANA STATE CENTRE**  
Bank Name & Address: STATE BANK OF INDIA,  
PBB RB ROAD BRANCH, KHAIRATABAD, HYDERABAD – 500004  
Current Account No.: 36001175962  
IFSC CODE: SBIN0004159

**Signature of delegate**

Note: for addl. Registration, Xerox of this Form may be used.

**All correspondence may be addressed to:**

The Organizing Secretary / Hon. Secretary  
33rd National Convention of Architectural Engineers and  
National Seminar on "Architectural Engineering Aspect for Building Envelopes"  
The Institution of Engineers (India), Telangana State Centre, Visvesvaraya  
Bhavan, Khairatabad, Hyderabad – 500 004,  
Ph: 040-23314969 Email:ieitelanganasc@gmail.com/  
telanganasc@ieindia.org | Website: www.ieitsc.org



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Website: [www.ieitsc.org](http://www.ieitsc.org)