## The Institution of Engineers (India)

98 years of Relentless journey towards Engineering Advancement for Nation Building



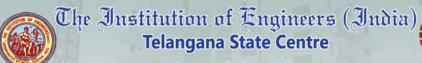
## All India Seminar on

Recent Developments in Concrete Composites (RDCC-2018) 24-25 August, 2018

Under the aegis of

**CIVIL ENGINEERING DIVISION, IEI** 

Organized by



In association with

AVN Institute of Engineering & Technology, Ibrahimpatnam, R R Dist







Supported by

ICI, IAStructE and RMCMA

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 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 – 700 020, 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 organizations across the globe. IEI functions among professional engineers, academicians and researchers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity operating from 122 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development in 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

## THE INSTITUTION OF ENGINEERS (INDIA), TELANGANA STATE CENTRE

The Telangana State Centre of The Institution of Engineers (India) has on its rolls 8234 Corporate members covering fifteen disciplines of Engineering besides non-corporate Members of the order of 19,791. The Telangana State Centre has been one of the most active Centres in 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 AVN INSTITUTE OF ENGINEERING & TECHNOLOGY**



AVNIET, a premier institution offers engineering education in the streams of CSE, ECE, EEE, CIVIL and Mechanical under UG and PG programs. AVNIET was started under the leadership of Chairman Sri.AVN Reddy with a motto of "SWAYAM TEJASWIN BHAVA" i.e, to produce job

providers rather than job seekers. Established in 2009, it is affiliated to Jawaharlal Nehru Technological University (JNTUH), Hyderabad, and is approved by the All India Council for Technical Education (AICTE), New Delhi with an annual intake of 690 students. AVNIET is dedicated in transforming the students into highly competent engineers with high level of motivation, Professional skills and self-confidence to achieve excellence in the field of engineering education. The Principal of college is Dr. Y. Ellamraj, a doctorate from IIT Bombay and having 3 decades of academic experience. The Civil Engineering Dept was established in the year 2009 having UG and PG programs and is headed by Dr. Md. Subhan. The College has International exposure through our Director, Sri Pavan Reddy due to which AVNIET has very good Placements.

## **INDIAN CONCRETE INSTITUTE (ICI)**



Indian Concrete Institute was founded in 1982 to cater to the unique needs of individual and organisations in the concrete sector. Today, ICI is a strong professional body with more than 12,000 enrolled members affiliated to 38 Regional Centres in major cities across the country. Cement Manufacturers, Consultants, Academicians and

Educational Institutions are actively involved in various initiatives undertaken by the ICI. Through workshops, Conferences, Seminars and training programmes, ICI inculcates good construction practices amongst engineers and trade organisations. ICI also encourages student participation and has 175 students' chapters with over 15000 student members. ICI has been an active participant in the Asian Concrete Federation and has also collaborated with institutes like Singapore Concrete Institute and Concrete Institute of Australia.

### **IAStructE**



The Indian Association of Structural Engineers, identified as IAStructE, was conceptualized and constituted in the year 2002 by a group of senior professional Structural Engineers from all regions of the country. It was registered under the Societies Registration Act on 20<sup>th</sup> December 2002. IAStructE has

completed more than 13 years of eventful progress in enhancing its professional status as well as credibility in the Country. The Indian Association of Structural Engineers (IAStructE) is a professional body whose membership also comprises very prominent structural engineers from India. IAStructE has a Memorandum of Understanding with Institution of Structural Engineers (IAStructE) UK for mutual cooperation and professional advancement. The Association has the prime responsibility, on the one hand to enhance the knowledge base and professionalism amongst the engineers, while on the other, to look after their interests. IAStructE promotes initial Professional Development (IPD) and and Continuing Professional Development (CPD) courses for its members and like-minded professionals practicing in general civil and structural engineering. IAStructE has been organizing Seminars regularly on different topics of interest to engineers, planners, conctractors, suppliers and all stakeholders. IAStructE has its headquarter in Delhi and State Centres functioning in Ahmedabad, Bengaluru, Hyderabad, Chennai, Kolkata, Mumbai, Noida and Visakhapatnam.

#### **RMCMA**



The Ready Mixed Concrete Manufacturers' Association (RMCMA), India, is a non-profit industry organization of leading ready mixed concrete producers from India. The RMCMA is a registered body under the Registrars of Societies Act 1860 (Bylaw 21) of the Government

of Maharashtra, India it was established in March, 2002. The vision of RMCMA is to make ready-mixed concrete the preferred building material of choice across the whole of India. The RMCMA is committed

to provide leadership to the ready-mixed concrete industry in India. It advances the interests of the entire ready mixed concrete industry in India, without sacrificing the interests of end users, designers, specify owners and others. It provides a variety of services to its Members in respect of trade, commerce, promotion, education etc. connected with ready mixed concrete. The RMCMA will encourage the sustainable development of concrete industry in India and its staff and Members would strive to emphasize the fact that concrete is the best environmental-friendly material of construction available today. The RMCMA would provide latest information on products and services to all its Members so that they are able to upgrade their operations continually. It would share the latest developments in concrete technology with its members and the customers of ready mixed concrete. RMCMA would strive to expand the market for ready mixed concrete in India. It would endeavor to bring a large majority of RMC manufactures under its fold so that a strong combined voice of the industry can be used to find meaningful solutions on various issues hindering the healthy growth of the industry. The RMCMA staff and members would work in a spirit of co-operation and ensure that the ready mixed concrete industry operates harmoniously within communities and the society at large.

#### **INTRODUCTION:**

The Institution of Engineers (India), Telangana State Centre has been conducting All India Seminars under the aegis of Civil Engineering Division on Civil subjects of national importance and of relevance to the issues that need to be addressed by the Central and State Governments.

This year, the IEI, Telangana State Centre has contemplated to conduct Two-Day All India Seminar on "Recent Developments in Concrete Composites" during 24-25 August, 2018 under the aegis of Civil Engineering Division, IEI.

#### **ABOUT THE SEMINAR**

Concrete as the most widely used construction material has undergone many improvements so as to use it for any kind of situation. By adding mineral admixtures the basic cement concrete mix has been made more

workability stronger & durable. With the addition of chemical admixtures the workability and flow properties of concrete have been vastly improved. Metallic and non metallic fibres are being employed for improving the strength and ductility properties. Continuous research in the area of concrete technology has led to the development of High Performance Concrete, Fibre reinforced concrete, Recycled aggregate concrete, Self compacting concrete, Geo polymer concrete, Ultra high strength concrete composites etc. Further research work is being carried out to develop optimum concrete composites to meet all kinds of construction requirements.

The Seminar will discuss the latest developments taking place on concrete composites.

#### The aim of the Seminar:

The Institution of Engineers (India) is one of the Premier bodies of National Technocrats showing concern for stakeholders of the Concrete Composites. Hence it was decided to organize the theme actually to bring out considered view points and recommendations through its State and Local Centres.

It is proposed to involve working Engineers, Students and Faculty of Civil Engineering from Academic institutions, Concrete Experts, working professionals from Industry, Central and Statement Government Departments and PSUs in the fields of Civil, Structures and construction Industry.

#### **PROGRAMME MODULE:**

The seminar consists of Inaugural session, five technical sessions, Panel discussion and valedictory session. Experts form both industry and academia and researchers are being approached to deliver invited lectures broadly on the theme and following sub themes of the All India Seminar. Besides the invited talks, a limited number of selected technical papers are also planned for presentation in the Seminar

## THEME: "Recent Developments in Concrete Composites" (RDCC-2018)

#### **Sub-Themes:**

- 1. Utilization of mineral and chemical admixtures in concrete
- 2. Fibre reinforced concrete with metallic and non metallic fibres
- 3. High performance concrete and ultra high strength concrete
- 4. Self compacting concrete
- 5. Concrete with recycled materials
- 6. Geo polymer concrete and any other recent developments

**VENUE:** The Seminar will be held at the Institution of Engineers (India), Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad – 500 004 during 24-25 August, 2018.

**INVITED SPEAKERS:** It is the endeavor of the Organizing Committee to invite professionals in the area of Construction Sector, academia and researchers to present Invited Talks in the Seminar.

**CALL FOR PAPERS:** Technical Papers are invited on the theme / Sub-Themes of the Seminar.

Each Technical paper contributed by an author may not exceed 5000 words, with relevant tables and figures (each table / figure shall be equivalent to 500 words) in MS word.

Last Date for receipt of full paper with soft copy by email is on 10<sup>th</sup> August, 2018

#### **PROGRAMME:**

## August 24, 2018 (Friday) - First Day

_	-
1000 hrs – 1100 hrs	Registration of Delegates
1100 hrs- 1145hrs	INAUGURAL SESSION
1145 hrs – 1200 hrs	HIGH TEA
1200 hrs – 1330 hrs	TECHNICAL SESSION -I
1330 hrs – 1430 hrs	LUNCH
1430 hrs – 1600 hrs	TECHNICAL SESSION - II
1600 hrs – 1615 hrs	TEA
1615 hrs – 1745 hrs	TECHNICAL SESSION - III

## August 25, 2018 (Saturday) - Second Day

1000 hrs – 1130 hrs TECHNICAL SESSION – IV

1130 hrs – 1145 hrs TEA

1145 hrs – 1315 hrs TECHNICAL SESSION V

1315 hrs – 1400 hrs LUNCH

1400 hrs- 1530hrs PANEL DISCUSSION

1530 hrs – 1600hrs VALEDICTORY SESSION

#### **PARTICIPATION:**

The All India Seminar on "Recent Developments in Concrete Composites" (RDCC-2018) is an ideal platform for personnel working in Construction Industry, Consultants, Faculty and Students of Engineering Colleges and Research Organizations.

#### **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. The tariff of advertisements from various organizations for publishing in the Technical Volume is indicated below:

Back Cover (Outside) Multicolored	Rs. 40,000/-
Front Cover (inside) Multicolored	Rs. 30,000/-
Back Cover (inside) Multicolored	Rs. 20,000/-
Full Page (Inside) Multicolored	Rs. 15,000/-
C: CT   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Size of Technical Volume ......A4

NOTE: 18% GST EXTRA

#### **REGISTRATION FEE:**

Registration of delegates will be made in advance on payment of registration fees as indicated below along with filled in registration form and other requirements:

Corporate Members of IEI Rs. 1000/-

Non-Member – Individual / Rs. 1500/-

Sponsoring delegates from organizations

## **Engineering College Students**

Rs. 200/-

Group registration (5 and above) from Educational Institutions will have concessions in delegate fee which will be Rs. 150/- for registration for each candidate.

NOTE: 18% GST EXTRA

## SPONSORSHIP: Tariff for sponsorship is given below:

Categories	Privileges and Sponsorship  Rs. 1,00,000/- [3 delegates + inside full page advertisement free]	
Platinum Sponsor		
<b>Gold Sponsor</b>	<b>Rs.60,000/-</b> [2 delegates + inside full page advertisement free]	
Silver Sponsor	<b>Rs. 40,000/-</b> [1 delegate + inside half page advertisement free]	
Sponsoring One Lunch	<b>Rs. 30,000/-</b> [Sponsorship will be acknowledge by displaying banners indicating the names of Sponsors and halfpage inside advertisement.]	
Delegate Kit	<b>Rs. 25,000/-</b> [Those who contribute for delegate kits, their names will be printed inside flap of the kit]	
High Tea	<b>Rs. 15,000/-</b> [Sponsorship will be acknowledged by displaying banner indicating the names of sponsors]	

**NOTE: 18% GST EXTRA** 

#### **PAYMENTS:**

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

#### **BANK ACCOUNT DETAILS:**

1. Name of the The Institution of Engineers (India)

Beneficiary: Telangana State Centre

2. Name of the State Bank of India

Bank & Branch PBB, Raj Bhavan Road Branch

Khairatabad, Hyderabad - 500 004

3. Account No. 36001175962 / Current Account

4. IFSC Code SBIN0004159

All correspondence may be addressed to: The Organizing Secretary / Hon. Secretary

**All India Seminar on** 

"Recent Developments in Concrete Composites" (RDCC-2018)

The Institution of Engineers (India)
Telangana State Centre, Visvesvaraya Bhavan
Khairatabad, Hyderabad – 500 004

Phone: 040-23314969

Email:ieitelanganasc@gmail.com/telanganasc@ieindia.org Website: www.ieitsc.org

### **NATIONAL ADVISORY COMMITTEE**

Chairman: Er Sisir Kumar Banerjee, FIE

President, IEI

Co-Chairman **Dr H O Thakare,** FIE

Chairman, CVDB, IEI

Convener: **Dr G Shravan Kumar,** FIE

Jt. Hon. Secretary, IEI, TSC

#### **MEMBERS:**

Mr H C S Berry, FIE, Past President and Member, CVDB, IEI

Mr V S Ghogare, FIE, Vice President & Member, CVDB, IEI

Mr Narendra Singh, FIE, Member, CVDB, IEI

Mr P S Bhogal, FIE, Member, CVDB, IEI

Mr M B Dagaonkar, FIE, Member, CVDB, IEI

Mohd Ashraf Fazili, FIE, Member, CVDB, IEI

Mr M K Jadav, FIE, Member, CVDB, IEI

Mr Tapan Lodh, FIE, Member, CVDB, IEI

Mr J N Mistry, FIE, Member, CVDB, IEI

Prof P K Parhi, FIE, Member, CVDB, IEI

Mr M D Patel, FIE, Member, CVDB, IEI

Mr O P Saxena, FIE, Member, CVDB, IEI

Mr Temba Singh, FIE, Member, CVDB, IEI

Mr Abhai Sinha, FIE, Member, CVDB, IEI

Mr G P Upadhyaya, FIE, Member, CVDB, IEI

Mr R S Chauhan, FIE, Member, CVDB, IEI

Mr S J Desai, FIE, Member, CVDB, IEI

Mr J R Garg, FIE, Member, CVDB, IEI

Mr K Vijaya Kumar, FIE, Member, CVDB, IEI

Dr D P Mase, FIE, Member, CVDB, IEI

Mr A K Mitra, FIE, Member, CVDB, IEI

Mr G M N Parrikar, FIE, Member, CVDB, IEI

Prof K P Rao, FIE, Member, CVDB, IEI

Mr V B Singh, FIE, Member, CVDB, IEI

Mr G Sudhakar, FIE, Member, CVDB, IEI

Mr S B Vasava, FIE, Member, CVDB, IEI

Mr. Manoj Mittal, FIE, President, IAStructE

Dr N V Ramana Rao, FIE, Director, NIT, Warangal

Mr. Ramesh Joshi, President, RMCMA

**Dr V Bhikshama,** Professor of Civil Engineering University College of Engineering OU, Hyderabad

Er K Bikshapati, Director General, NAC, Hyderabad

Er Vijay Kulkarni, Technical Advisor, Quality Council of India, QCI

Er C Sekhar Reddy, Chairman, IGBC, Hyderabad.

## ORGANIZING COMMITTEE

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

Co-Chairman **Dr P Suryanarayana**, Director, HMWS & SB,

Hyderabad

Org. Secretary: **Dr G Rameshwar Rao,** FIE, Hon. Secretary,

IEI, TSC

Convener: **Dr G Shravan Kumar,** FIE,

Jt. Hon. Secretary, IEI, TSC

**MEMBERS:** 

Er B Ananta Ramloo, FIE, Member, IEI, TSC

Er M Shyam Prasad Reddy, MIE, Member, IEI, TSC

Dr S Nagabhushana Rao, FIE, Past Chairman, IEI, APSC

**Prof. P Jagannatha Rao,** FIE, Head, Civil Engineering Department ACE Engineering College, Hyderabad.

**Prof. V Bhikshma,** Professor of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.

**Prof. B Dean Kumar,** Director, Bureau of Industrial Consultancy Services, JNT University, Hyderabad.

**Er Y Chandra Sekhar,** FIE, Chief Designer, Sandilya Consultants, Hyderabad.

**Mrs. Manjula Vani,** Prof. & Head, Dept. of Civil Engineering, JNTU College of Engineering, Hyderabad.

**Dr Y Ellam Raj,** FIE, Principal, AVN Institute of Engineering and Technology, Hyderabad

**Er N Mavul Rao,** Hon. Secretary, ICI, Hyderabad Chapter

**Er C Yedukondalu,** Member – RMCMA

**Md. Abdulkalam,** Professor & Head, Civil Engineering Department, Sreyas Institute of Engineering and Technology, Hyderabad.

**Er S S Mouray,** Technical Head, Maha Cement, Hyderabad

**Dr V Mallikarjuna Reddy,** Professor and Head, Dept. of Civil Engineering, Gokaraju Rangaraju Institute of Technology, Hyderabad.

**Shri S Vijaya Kumar,** MIE, Associate Professor, Department of Civil Engineering, Vasavi College of Engineering, Hyderabad

### TECHNICAL COMMITTEE

Chairman: **Prof.** K V L Subramaniam

Professor, Dept. of Civil Engineering

Indian Institute of Technology, Hyderabad

Co-Chairmen: **Prof. B L P Swamy,** FIE

Professor, Dept. of Civil Engineering Methodist College of Engineering &

Technology, Hyderabad.

Er S P Anchuri, MIE

Jt. Hon. Secretary, IEI, TSC

#### **MEMBERS**

Prof. K Ganesh Babu, Former Professor, IIT, Madras

**Prof. D Ramaseshu,** Professor, Dept. of Civil Engineering, National Institute of Technology, Warangal

**Dr K Balaji Rao**, Chief Scientist & Advisor (Management), CSIR-SERC, Chennai.

**Prof. S T G Raghukanth,** Professor, Structural Engineering Division, Dept. of Civil Engineering, IIT, Chennai

**Prof. P N K Rao,** Professor, Dept.of Civil Engineering, Birla Institute of Technology & Science, Hyderabad.

**Prof. P Srinivasa Rao,** Professor, Dept. of Civil Engineering, JNTU College of Engineering, Hyderabad.

**Dr Pradeepkumar Ramancharla,** Registrar, IIIT, Hyderabad.

**Prof. D S R Murthy,** Professor, Dept. of Civil Engineering & Chairman, Board of Studies, AU College of Engineering, Visakhapatnam.

**Dr S Suriya Prakash,** Associate Professor, Structural Engineering Division, Dept. of Civil Engineering', Indian Institute of Technology, Hyderabad.

**Er P Surya Prakash,** Managing Director, Satyavani Projects and Consultants Pvt. Limited, Hyderabad.

Er P Srinivas Reddy, Chairman, ICI, Hyderabad Centre

**Shri M Bhasker,** FIE, Associate Professor, Department of Civil Engineering, Vasavi College of Engineering, Hyderabad.

**Dr. Md. Subhan,** Prof. & HOD, Dept. of Civil Engineering, A V N Institute of Engineering and Technology, Hyderabad.

## REGISTRATION FORM

## **All India Seminar on** "Recent Developments in Concrete Composites" (RDCC-2018) 24-25 August, 2018

1.	Name (Block letters)				
2.	Designation & Organization				
3.					
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. BAN	Mode of Payment: A/C K ACCOUNT DETAILS:	Payee Che	que / RTGS / NEFT		
1.	Name of the Beneficiary:		ution of Engineers (India) State Centre		
2.	Name of the Bank & Branch	State Bank of India PBB, Raj Bhavan Road Branch Khairatabad, Hyderabad - 500 004			
3. 4. Encl:	Account No. IFSC Code		962 / Current Account		
		_	of delegate		
Note	e for addl. Registration	Xerox of th	is Form may be used		

All Correspondence may be addressed to: The Organizing Secretary All India Seminar on "Recent Developments in Concrete Composites" The Institution of Engineers (India), Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad - 500 004 Phone: 040-23314969, Website: www.ieitsc.org

Email:ieitelanganasc@gmail.com/telanganasc@ieindia.org





# The Institution of Engineers (India) TELANGANA STATE CENTRE

"Visvesvaraya Bhavan", Khairatabad, Hyderabad – 500 004, India Phone: 040-23314969

Email: ieitelanganasc@gmail.com / telanganasc@ieindia.org Website: www.ieitsc.org