

IEI Delegation Participated at the 111th Annual Session of The Institution of Engineers Sri Lanka



A five-member delegation, led by Mr Navinchandra B Vasoya, President IEI and consisting of Mr H C S Berry, Immediate Past President, IEI; Mr Sisir Kumar Banerjee, President-Elect, IEI along with Mr Narendra Singh and Mr T M Gunaraja, Council Members, IEI, attended the 111th Annual Session of The Institution of Engineers Sri Lanka (IESL) held during October 20–22, 2017 at Colombo, Sri Lanka. The 52nd Meeting of the Executive Committee of the Federation of Engineering Institutions of South and Central Asia (FEISCA) was also held on October 21, 2017 on the sidelines of the event. The FEISCA Regional Seminar on the theme 'Energy Policy for Regional Cooperation & Development' was also organized. During the Seminar, Mr Navinchandra B Vasoya, President, IEI, presented the India Country Paper on the topic 'Energy Policy for Regional Co-operation and Development : An Indian Perspective'.

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

November 1, 2017

To

All Corporate Members of IEI

The Ninety-eighth Annual General Meeting of The Institution of Engineers (India) will be held at **Hotel Le Royal Meridien, 1 GST Road, St Thomas Mount, Chennai, Tamilnadu 600016** on December 23, 2017 at 1430 hrs.

AGENDA

1. To confirm the Minutes of the Ninety-seventh Annual General Meeting held on December 18, 2016 at Kolkata, already circulated in March 2017 issue of IEI News, Vol. 66, No.12, Page 5 [further given in November 2017 issue of IEI News on page 11].
2. To receive the Annual Report of the Council and the Audited Accounts of IEI for the year ended March 31, 2017.
3. To receive the Report of the Council on election of the President and also the composition of the IEI Council for the Session 2017-2018.
4. To appoint the Auditors for the year 2017-2018 and to fix their remuneration.

Maj Gen (Dr) S Bhattacharya, VSM (Retd)
Secretary and Director General

From the President's Desk.....



The Institution of Engineers (India) strives to advance the knowledge, practice and applications of engineering for the greatest benefit of the people.

In its ever-increasing quest for dissemination of knowledge amongst its members, the IEI promotes innovations for advancement of engineering & technology, monitoring the standard and quality of engineers' education and training strategies for high grade technical manpower development, forging kinship and lasting bonds among engineers specializing in effective communication and feedback techniques. I invite suggestions from all our stakeholders to further enhance our effort in this domain.

25th Convocation of IEI was recently concluded at Goa. The Chief Guest of the occasion Mr Manohar Parrikar, Hon'ble Chief Minister of Goa in his speech called upon IEI to take up the challenge in enhancing the skills and employability of engineers and also stressed on the need for quality standard of teaching. A 'Job Mela' was also organized on this occasion, for the first time for AMIE graduates and students of Engineering Colleges of the neighboring areas which was very well attended.

The Indian Engineering Congress organized every year by the Institution is a flagship and significant event which provides a broad platform to the engineering and technical fraternity from within the country as well as from abroad for interaction and transfusion of knowledge that would enhance technological development for the benefit of the society and the country. This year the 32nd Indian Engineering Congress is hosted by our Tamilnadu State Centre at Chennai during 21-23 December 2017. The theme of the Congress is "Innovation in Engineering: Competitive Strategy Perspective".

I take this opportunity to invite all members of IEI to make it convenient to attend the Congress to make it a grand success and also extend your valuable support and contribution by way of your presence, sponsorship, deputing delegates and exhibiting your products.

Productivity Management in Manufacturing and Service Organisations

West Bengal State Centre of the Institution in association with the Department of Industrial and System Engineering, IIT Kharagpur, organized a two-day All India Workshop on the theme 'Productivity Management in Manufacturing



and Service Organisations' under the aegis of Production Engineering Division, IEI, during August 18-19, 2017 at Kharagpur. Prof (Dr) N R Bandyopadhyay, Council Member, IEI and Professor, School of Materials Science and

Engineering, IIST, Shibpur, graced the occasion as the Chief Guest. In his address, Prof Bandyopadhyay mentioned that with the backdrop of irreversible regrouping of materials and processes and changing industrial status, sustainable productivity management in manufacturing and service

organisations are very much relevant. He further highlighted the demand supply gap between the need of qualified professionals in industrial system applications and available resources which affects in solving real life industrial problems. He also mentioned the significance of learning and relearning and advised the engineers to equip themselves with the latest technological developments taking place around the world. Mr Kashmir Lal Mallik, Chairman of the Centre, presided over the inaugural session and emphasized upon the relevance of theme. Experts in the field, namely, Prof (Dr) Pradip Kumar Ray and Prof (Dr) B Mohanty, Department of Industrial and Systems Engineering, IIT Kharagpur and Prof (Dr) Bijan Sarkar, Production Engineering Department, Jadavpur University, addressed the gathering. During this two-day activity, various thrust and emerging issues in Productivity Management, such as, Framework for Productivity Analysis, Productivity Measurement and Evaluation System for Manufacturing and Service Organisations, System Approach in Productivity, Productivity Measurement and Evaluation for White Collar Personnel, Productivity Improvement Tools and Techniques, etc. were deliberated at a length.

Data Analytics for Engineers

Jharkhand State Centre of the Institution organized a two-day Workshop on the theme 'Data Analytics for Engineers' under the aegis of Mechanical Engineering Division, IEI, during August 26-27, 2017 at Ranchi. The Workshop was inaugurated by the Chief Guest Mr P K Kar, Executive Director (Projects),



MECON Limited, Ranchi. Mr Kar, in his address, stressed on the importance of the data analytics for engineers. 'In the later echelon of the organization, one must learn various techniques for generating the data, reviewing and analyzing the same for making informed decisions in the organization', he added. He further emphasized that data analytics should be the part of steel organizations which are busy in producing steel. Mr Kar felt that one must develop various production data, break-down data, spares supply and replacement data, human resource data and sales and supplies, project execution statistics which are to be critically analyzed for the overall improvement of steel industry and meeting the government of India's ambitious plan of meeting 300 MTPA steel production by 2030. Earlier, Mr Shivanand Roy, Immediate Past-Chairman of the Centre, welcomed the august gathering and extolled the effort of the Centre for organizing the technical activities on topical interest. The Workshop was well attended by large number of dignitaries from Danieli Corus, MECON, SAIL, CCL, HEC, BIT, Mesra, Government of Jharkhand, CIT and Fellow Members of the Institution. During these two days, a detailed discussion on various software for analyzing the data and their techniques was also held.

Urban Planning & Architectural Design for Sustainable Development

Hosur Local Centre of the Institution in association with the Department of Architecture, Adhiyanmaan College of Engineering, Hosur, organized a two-day All India Seminar on the theme 'Urban Planning & Architectural Design for Sustainable Development' under the aegis of Architectural Engineering Division, IEI, during August 18-19, 2017 at Hosur. The Chief Guest, Mr Kirti Sahoo, CEO, Centre for Research on Sustainable Building Science, Tata Energy & Research Institute, Bangalore, in his address, explained that concept of 'Sustainable Development in Urban Development and Architectural Design' should be implanted in the brains of the students in college level itself, so that, they would be conversant with the knowledge when they go in to the field work after their studies. He further mentioned that sustainable development is a general term together making both urban and economic growth more sustainable, but wasn't specifically a mode of urbanism. Mr Sahoo also spoke about combining elements of ecological urbanism, sustainable urban infrastructure and new urbanism. He stressed on increasing the quality of life by bringing more resources within a



short distance and also increasing the quality of products that are offered. Dr N S Bhadrinarayana, Chairman of the Centre and Dean (Autonomous), Adhiyanmaan College of Engineering, Hosur, in his keynote address advised the students of Architecture to be focused in their ambition to shine in the Architectural field and should be prepared to face any sort of challenges to achieve the goals. Dr G Ranganath, Chairman, Tamilnadu State Centre, IEI, in his Presidential address, suggested that students should develop their habit of learning and excel in the field of their interest. Earlier, Ms R Seetha, Head, Department of Architecture, Adhiyanmaan College of Engineering, Hosur and Organizing Secretary of the Seminar, welcomed the dignitaries and the participants. Dr J Arivudainambi, Honorary Secretary of the Centre proposed the vote of thanks. A large number of technical papers were presented and discussed during the two-day Seminar.

International Conference at Ahmedabad

Paradigm Shift in Chemical Engineering Education, Processes and Technology

Gujarat State Centre of the Institution in association with Federation of Engineering Institutions of South and Central Asia (FEISCA) and Federation of Engineering Institutions of Asia and the Pacific (FEIAP) organized International Conference on the theme 'Paradigm Shift in Chemical Engineering Education, Processes and Technology' under the aegis of Chemical Engineering Division, IEI during September 16-17, 2017 at Ahmedabad. The inaugural function commenced with welcome address by Mr S J Desai, Immediate Past Chairman of the Centre & Council Member, IEI. Dr S A Puranik, Co-chairman of Organizing Committee, briefed the gathering about details of this two-day International Conference. Mr Mansukh Mandaviya, Honorable Union Minister for Road Transport & Highways, Shipping, Chemical & Fertilizers and Dr Rajiv Kumar Gupta, Managing Director, Gujarat Narmada Valley Fertilisers &



Chemicals Ltd (GNFC), graced the occasion as the Chief Guest and Guest-of-Honour, respectively. Mr Mansukh Mandaviya, emphasized on the importance of this type of International Conference which is exemplary to the students who will take up the challenges for future. Dr Rajiv Kumar Gupta in his address explained how the theme of Conference is relevant to GNFC which has already developed Neem coating to urea production and also in the process of developing Neem oil production. His informative speech was supplemented by video showing the fulfillment of Prime Minister's dream on growth of farming and fertilizer sectors. Mr Navinchandra B Vasoya, President, IEI, expressed his satisfaction over more than 350 participation, 4 International Presentation, 6 Plenary Lectures and 52 technical lectures. On this occasion, Dr Jaimin Vasa, President of Gujarat Chemical Association and Vice President of Gujarat Chamber of Commerce was felicitated for his valuable contribution in development and upliftment of Chemical Engineering Community at large. Mr K H Udhavdas, Honorary Secretary of the Centre, proposed the vote of thanks.

During this International Conference, there were four international presentations, 6 Plenary Lectures and a large number of technical papers were presented in 4 technical sessions. Dr Umang Shah, Faculty of Engineering, Department of Chemical Engineering, Imperial University, London, UK, enlightened the gathering with his lecture on 'Design and Implementation of Hands-on Learning in Chemical Engineering Education'. He explained the methodology adopted at Imperial University and discussed how paradigm shift has taken place in Chemical Engineering Education in last six years. The design and implementation of these courses are discussed to promote the exchange of good practices within the higher education community. Dr Ines Stuckert gave virtual presentation on "Praxair's Ceramic Membrane based Modular Syngas Technology: Process Intensification, Innovation and Integration (PI3)" on Skype from USA. He explained how the Ceramic Membrane change the whole process of manufacturing Ammonia where reforming can be done in modular only. Dr Pradeep Shukla, delivered a talk on "Thermal Plasma based Zero Inertia Process for On-demand Cyanide Production" on Skype from Australia. He explained how the plasma can be used effectively which would increase the production with less efforts. Dr Larry Megan delivered lecture on "Current/emerging trends in Chemical Process Industry in Digitalization" on Skype

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Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad 500 032



CPDPs for the Month of December 2017

Name of the Course	Scheduled Dates
❖ CSR Initiatives – Sustainable Business Strategies	06-08
❖ Flexible Pavements and Overlays - Design, Construction and Maintenance	05-08
❖ Design, Construction, Operation and Maintenance of Sewage Treatment Plant with Reuse & Recycle Options	04-08
❖ Advance EXCEL with Macro's & VB Script	06-08
❖ High Voltage Testing of Power Equipment's	05-08
❖ Quality Initiatives in Technical and Higher Educational Institutions (in Compliance with NBA & NAAC Accreditation)	06-08
❖ NDT Level-II Certification in Ultrasonic Technique in accordance with ASNT Document No.: SNT-TC-1A 2006	04-09
❖ Interpersonal Skills Effectiveness and Emotional Intelligence. (For Managerial Effectiveness and balancing Stress with practical and Work play)	12-14
❖ Windows Server 2012 Administration	11-15
❖ Electrical Safety Procedures & Accident Prevention	12-15
❖ OHSAS 18001:2007 - Lead Auditor Training	11-15
❖ Service Level Benchmark for attaining Universal Coverage and 24x7 Water Supply in ULBs -	19-21
❖ Operation, Maintenance and Performance Monitoring of Centrifugal Pumps and Compressors (with Practical Orientation and Technical Visit)	19-21
❖ Best Practices in O&M of ESPs & Performance Improvement	19-21
❖ Integrated Water Resources Management including Modernization of Irrigation Projects	19-21
❖ Pre-fabricated Structures – Planning, Design and Construction	20-22
❖ Essential Boiler Water Chemistry for O&M Engineers	19-22
❖ (Planned from 18 - 21 Jul)	19-22
❖ Selection, O&M and Condition Monitoring of Large Electrical Motors for Industries and Power Plant Applications (Planned from 9 - 11 Aug)	20-22
❖ ISO 9001:2015 QMS - Lead Auditor Training (CQI - IRCA - UK Certified)	18-22
❖ Testing, Commissioning and Protection of Distribution Substations (Postponed from 16 - 18 May to 26 - 29 Dec 17)	26-29
❖ PLC & DCS for Power Plant Applications (Planned from 23 - 25 May 17)	27-29
❖ IT in distribution	27-29

CPDPs for the Month of January 2018

❖ Total Quality in Vigilance	02-04
❖ Review of Environment Impact Assessment (EIA) Reports – Case study & Group Discussion	03-05
❖ Industrial Instrumentation & Modern Control System.	02-05
❖ O & M of Power Transformers and EHT Circuit Breakers	03-06
❖ Pilferage of Electricity - Detection & Prevention - Issues & Challenges	03-06
❖ Septage Management as per MoUD Guidelines (Way forward for Effective implementation of both Urban and Rural Policy - AMRUT, Swachh Bharat and Rural Sanitation Schemes)	08-10
❖ Oracle 11g Database: Data Guard Administration	08-10
❖ Systematic Trouble Shooting of PLC/DCS Applications in Power Plants and Process Industry	08-11
❖ Strategies for more crop for Drop of Water	8-11
❖ Leakages and Water Proofing Treatment in Buildings	08-12
❖ Principles and Practices of Source Water Management	17-19
❖ Vibrations, Balancing, Alignment and Condition Monitoring of Rotating Equipment(Theory and Practical Orientation with Technical Visit)	16-19
❖ Implementation of e-governance in Urban Local Bodies	22-24
❖ Power System Grounding and Systems Stability	22-24
❖ SCADA and Smart grid Applications	22-24
❖ Bridge Diagnostics, Evaluation and Rehabilitation	22-25
❖ Project Management	22-25
❖ Laboratory Management System Awareness & Internal Auditing (As per ISO / IEC 17025 : 2005 & NABL Requirements)	22-25
❖ Dam Safety Guidelines – Monitoring, Safety of Dams	22-25
❖ Best Practices on Solid Waste Management for Litter - Free, Dump – free, Dustbin-free cities in accordance with "Swachh Bharat Mission"	29-31
❖ Communication and Presentation Skills (Communicating Assertively)	29-31
❖ Road Safety Management	29 Jan-1st Feb
❖ Power Trading, Power Exchanges & Merchant Power Plants	30 Jan-01 Feb

For detailed information, please contact :

ENGINEERING STAFF COLLEGE OF INDIA

Old Bombay Road, Gachi Bowli, Hyderabad 500 032; Ph: 23000465 / 23000466 (EPABX) Fax : 040-23000336; Email : ic@esci.org Website : www.esci.org

IEI Celebrates World Habitat Day

Theme: Housing Policies: Affordable Homes

The World Habitat Day was celebrated by the Institution on October 2, 2017. Brief accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Gujarat

Mr Dhiman B Vyas, Superintending Engineer & Joint Director, Staff Training College, Gandhinagar, in his welcome address, explained housing policy for affordable homes and suggested that it is important to delineate the contours of this problem by defining the term 'affordable housing'. The Chief Guest, Mr N K Patel, Director, Sun Builders Pvt. Ltd., Ahmadabad, in his Keynote Address, mentioned that affordable home refers to housing units which are affordable by that section of society, whose income is below the median household income. 'Though different countries have different definitions for affordable housing, but it is largely the same, i.e. affordable housing should address the housing needs of the lower or middle income households', he opined. Dr S K Patel, Director & Chief Engineer, Staff Training College, Gandhinagar, proposed the vote of thanks.



Kerala

Mr P A Prabhakaran, Chief Engineer (Retd.), ISRO and Advisor to Chairman, ISRO, Department of Space, Govt. of India, while delivering the theme lecture, apprised that Central Government aims at providing 50 million homes by 2025 and that the engineers have to bring out results by completing projects in time keeping in view the cost of labour and cost of materials. He further added that the problem with Low Cost Housing is lack of standards and no uniformity is maintained in construction. Earlier, Mr K S Udaya Kumar, Honorary Secretary of the Centre, welcomed the gathering. Mr N Rajkumar, Chairman of the Centre, proposed the vote of thanks.



Manipur

Mr N Joykumar Singh, Honorary Secretary of the Centre, welcomed all those present in the function. Mr Kh Angou Singh, Founder Chairman of the Centre, delivered lecture on the theme mentioning the need of proper utilization of fund. Mr Mangi Singh, Former Deputy Secretary, BOSEM, mentioned the need to take special care of the rare Antlered Deer (Sangai) for its survival which is available only in Manipur. Dr Kiranbala Devi, Department of Civil Engineering, MIT, in her speech, explained that safety of building should be taken as very important by the engineers in planning, designing and execution. Mr Kh Temba Singh, Chairman of the Centre, focused on the need to take special care on environmental issues for co-existence of all living beings around us. He also spoke about 'Pradhan Mantri Awas Yojana' (PMAY) of the Government of India for construction of houses to the poor and needy persons in the days to come. Mr A Roudrajit Moirang, Joint Honorary Secretary of the Centre, proposed the vote of thanks.



Telangana

The Chief Guest, Mr S Eshwariah, Chief Engineer, Telangana State Housing Corporation Limited, Hyderabad, in his address, informed that on an average 50% of the urban population lives in slums with congestion having no basic services and 42% of rural population also lives in single room kutcha house. He further explained



that adequate shelter means adequate privacy; adequate space; adequate security including security of tenure; structural stability and durability; adequate lighting, heating and ventilation and adequate basic infrastructure. Earlier, Mr G Rameshwar Rao, Honorary Secretary of the Centre, welcomed the gathering. Dr S Satyanarayana, Chairman of the Centre, presided over the function. Mr S P Anchuri, Joint Honorary Secretary of the Centre, proposed the vote of thanks.

Uttar Pradesh

Mr V B Singh, Council Member, IEI & Past Chairman of the Centre, welcomed the gathering and presided over the function. The Keynote Speaker, Prof Subodh Shankar, Dean, College of Architecture and Planning, Integral University, Lucknow, apprised that about 10 crore people all over the world do not have shelter. He further informed that regarding affordable houses, Government of India has initiated construction of low cost houses and has planned to provide houses to all the citizens of the country along with electricity, water and water closet by 2022. Dr Ashok Jain, Ferro Cement Specialist, presented his proposal for construction of low cost houses between Rs 2.0-4.5 lakh cost, using ferrocement techniques. Mr R K Trivedi, Honorary Secretary of the Centre, proposed the vote of thanks.



LOCAL CENTRES

Agra

Dr Akhand Pratap Singh, Director, RBS Engineering Technical Campus Bichpuri, Agra, graced the occasion as Guest-of-Honour. He expressed his views on the theme and advised architecture students to work on the theme for the betterment of the society. Ms Shivani Singhal, Architect and Speaker of the day, presented a power point presentation on affordable houses in the world with the scenario of our country. Mr Devendra Singh Chaudhary, Chairman of the Centre, presided over the function and spoke about different schemes of affordable houses. Dr B D K Patro, Honorary Secretary of the Centre, conducted the programme and proposed the vote of thanks.



Ahmednagar

Dr R S Deshpande, Principal, Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar, delivered inaugural address. Mr H B Thigale, Honorary Secretary of the Centre, introduced the theme. Addressing on the theme, the Speaker Dr M R Wakchaure, Professor and Dean Academic, Amrutvahini College of Engineering, Sangamner, Ahmednagar, explained the status of housing position at national level. He elaborated various factors affecting cost of the houses, such as, type of plot, access of the road; availability of hard strata, power supply, drainage line, labour, material for construction, etc. He suggested that with few modifications in the houses, such as, walls with rat trap bond, providing more headroom, more windows, provision of bathroom, usage of bamboo in place of steel, etc, it will be more comfortable to house dwellers.



Anpara

The Chief Guest, Mr Akhilesh Kumar Singh, Chief General Manager, ATPS, in his address, stated that 'Housing Policies: Affordable Homes' is the need of the hour and called upon the engineering community to give equal weightage to the urban and rural population while planning for future projects. The Guest-of-Honour, Mr U C Mishra, Superintending Engineer, ATPS along with Mr Prashant Kumar and Mr Mukesh Kumar Singh, of BHEL, presented a detailed account of various issues related to the theme. Mr Deepak Kumar, Superintending Engineer and Mr D P Pandey of Anpara Thermal Power Project, also attended the programme. Earlier, Mr Ajai Kumar, Chairman of the Centre, welcomed the august gathering. Mr Dharendra Kumar Singh, Honorary Secretary of the Centre, proposed the vote of thanks.



Bareilly



Mr Prem Prakash Gupta, Chairman of the Centre, in his welcome address, mentioned that land being a state subject, the government may come up with more models that would help in pushing affordable housing efforts further. Mr K B Agarwal, speaking on the theme, discussed various aspects of home loan. Mr N N Agrawal clarified that there is no set

parameter as to how much cheaper these (affordable housing) units will be. He further stated that land being a major cost factor and a subject matter of the concerned states, the price margins will vary from state to state. Mr Sudhir Kumar Gupta, Honorary Secretary of the Centre, also addressed the gathering and proposed the vote of thanks.

Durgapur

Mr R K Roy, Chairman of the Centre, in his welcome address, mentioned that affordable housing is housing which is deemed affordable to those with a median household income as estimated by the national government or a local government by a recognized housing affordability index. Mr M N Bandyopadhyay, Honorary Secretary of the Centre, in his introductory address, highlighted the significance of the day. The Guest-of-Honour, Dr C Samajdar, Deputy General Manager, Public Relation, SAIL, DSP, gave an overview of present housing challenges in India. The other Guest-of-Honour, Dr D V Rajan, Superintending Engineer, DVC, DSTPS, Andal, stated that one of the key challenges for a developing country like India is urban migration which is further exacerbated by limited resources to meet increasing housing demands. Mr M N Bandyopadhyay, proposed the vote of thanks.



Kalaburagi

Mr B S More delivered the welcome address. Speaker of the day, Dr Shashikant R Mise, Honorary Secretary of the Centre, highlighted the significance of the day and discussed various aspects embracing the theme 'Housing Policies: Affordable Homes'. Mr G R Muttagi, Past Chairman of the Centre, presided over the function. The vote of thanks was proposed by Mr Kashinath Vanjarkhed, Co-opted Member



of the Centre.

Kota

Mr C K S Parmar, Chairman of the Centre, welcomed the distinguished guests and other participants. The Guest Speaker, Mr V K Dalela, Senior Town Planner, Urban Improvement Trust (UIT), Kota, spoke in details about various Government Schemes, viz, Pradhan Mantri Awas Yojana-2015, Chief Minister Jan Awas Yojana-2015 and Affordable Houses/Plots by UIT, Kota. The Chief Guest, Mr D N Nainani, Managing Director, Aashirwad Housing Pvt Ltd., Kota, mentioned that 'Pradhan Mantri Awas Yojna' is a very important mission to the nation. He stated that this Yojna, affordable homes should be made on government land and by laborer of MGNREGS, so that, affordable homes may be provided to all needy people. Mr Jasamat Singh, Honorary Secretary of the Centre, proposed the vote of thanks.



Mangalore

Dr K Panduranga Vittal, Chairman of the Centre, presided over the function. The Speaker of the day, Mr Rajendra Kalbavi, Project Director, Dakshina Kannada Nirmithi Kendra, stated that it is really a challenge for an engineer to cut cost of dwelling units without compromising quality, safety, life span, environmental factors etc in affordable manner for the masses. He further mentioned that since inception, Dakshina Kannada Nirmithi Kendra canvassed and transferred technology by minimizing the cost. Dr Sunil B Malegole, Honorary Secretary of the Centre, proposed the vote of thanks.



Meerut

Prof B S Tyagi, Head, Civil Engineering Department, Radha Govind Engineering College, stated that policy makers at all levels – global, national, regional and local are attempting to respond to the issue of affordable housing which is a complex crises of global proportions. Mr D K Gupta, Executive Engineer, Avas Vikas Parishad, Meerut, discussed the salient features of the project of affordable housing under construction. He also explained in details

the main features of Pradhan Mantri Awas Yojna and target assigned by the Government of



Uttar Pradesh under PMAY to build one lac units of houses. The Chief Guest, Dr Neeraj Kumar, Director, Radha Govind Engineering College, also expressed his views on this occasion. Earlier, Mr C P Gupta, Past Chairman of the Centre, welcomed the august gathering. Mr Rajneesh Kumar, Honorary Secretary of the Centre, proposed the vote of thanks.

Munirabad

Mr Rajashekhar Gowd Patil, Honorary Secretary of the Centre, welcomed the guests and dignitaries present on the occasion. The Guest Speaker, Mr T H M Somasekhar, Past Honorary Secretary of the Centre, in his speech, explained about the origin of World Habitat Day and its extension to other countries for betterment of mankind. Mr Bhojanai K, Chairman of the Centre, also spoke on theme of the day. Mr A Palaksha Gouda, Past Chairman, proposed the vote of thanks.

Mysore

The programme started with the welcome address delivered by the Chairman of the Centre, Mr M Chinnaswamy. Mr K Sriram Joint Secretary, CREDAI-National and Past Chairman-BAI Managing Director, Tapovan Projects, spoke on the necessity of providing affordable home for the common people with all basic needs. He suggested that since the cost of the land sometimes is more than the building, which is difficult for the common people to afford, the government should allot the land at the reasonable price for the housing. Mr B K Suresh Babu, Deputy Commissioner (Developments), Mysore City Corporation, shared the action plan of the city for providing affordable houses to the needy. Mr B V Ravindranath, Honorary Secretary of the Centre, proposed the vote of thanks.



Palghat

Mr A Kesavan, Chairman of the Centre, presided over the function. The Guest speaker, Prof Bindu C A, Assistant Professor in Architecture, School of Architecture, Govt. Engineering College, Thrissur, while speaking on the theme, pointed out that affordable housing refers to housing units that are affordable by that section of society whose income is below the median household income and therefore affordable housing should address the housing needs of the lower or middle income households. She also spoke about various National Housing Policies and initiatives taken by the government in this respect. Dr E K K Nambiar, Honorary Secretary of the Centre, proposed the vote of thanks.



Rourkela

Prof S K Sahu, Honorary Secretary of the Centre, welcomed the august gathering and introduced the theme of the day. The Guest Speaker, Prof Narayan Sethi, Department of Humanities and Social Sciences, NIT, Rourkela, in his speech, apprised that since 2000, the world experienced an unprecedented house price boom in terms of magnitude and duration. He elaborated the causes and consequences of rise in house prices and presented a compendium of housing shortage in India. Prof Sethi highlighted the government's housing policy in Odisha envisaging provisions enabling framework for implementation of affordable housing projects, slum rehabilitation and redevelopment projects facilitating development of housing schemes in urban areas. Mr Harjit Singh Kanvel, Joint Honorary Secretary of the Centre, proposed the vote thanks.



Saurashtra

Mr Harshadrai A Kansagra, Chairman of the Centre, welcomed the august gathering. The Chief Guest, Mr Bakulesh H Rupani, Chief Town Planning Officer (Retd.), Rajkot Municipal Corporation, in his address, shared his experience achieved during his service and explained Government policies about affordable homes. Theme Speaker, Mr Parag Udani, Renowned Architect, Rajkot, tried to show how to make affordable homes for poor people by constructing high-rise building using 20% fly ash and by constructing group of buildings with maximum common walls. Mr Navinchandra K Ravajibhai, Honorary Secretary of the Centre, proposed the vote of thanks.



To be contd.

NEWS-IN-BRIEF

The following is a brief account of Technical Activities organised by various Centres of the Institution

STATE CENTRES

Gujarat

- ❖ Workshop on 'Geotextiles in Civil Engineering' on October 7, 2017.

Telangana

- ❖ Round Table Conference on 'Hyderabad Water Supply in GHMC Area' on October 10, 2017.
- ❖ 'Er R L Raju Third Endowment Lecture' delivered by Mr S Suneel, Chief Engineer, Nagarjunasagar Project I, Irrigation and CAD Department, Government of Telangana on October 10, 2017.
- ❖ Organized World Food Day 2017 on 'Change the Future of Migration Invest in Food Security and Rural Development' on October 16, 2017.

Uttar Pradesh

- ❖ Lecture on 'Sustainable River Basin Management Planning: A Holistic Approach' delivered by Prof C S P Ojha, Head, Department of Civil Engineering, IIT Roorkee on October 23, 2017.

LOCAL CENTRES

Agra

- ❖ Seminar on 'Smart City: A Path to Progress' on October 4, 2017.

Ahmednagar

- ❖ Organized Technical Visit to 'Muta Dam' on October 24, 2017.

Bhimavaram

- ❖ Seminar on 'Awareness Programme on Road Safety Measures' on September 26, 2017.

Dharwad

- ❖ Seminar on 'Power and Machinery Engineering System' on October 14, 2017.

Gwalior

- ❖ Lecture on 'Instrumentation and Control' delivered by Mr Vinay Kumar Shukla, on October 27, 2017.

Kalaburagi

- ❖ Lecture on 'Importance of Agricultural Machinery and Soil and Water Conservation Engineering' delivered by Dr Mallikarjun Reddy, Professor, Agni College of Engineering, Kalaburagi on October 4, 2017.
- ❖ Lecture on 'Heat Treatment Techniques and Processes' delivered by Mr K K Devindrappa, Manager (Production), GE Power Ltd., Shahabad on October 5, 2017.
- ❖ Lecture on 'University Education: Challenges and About Skill Development' delivered by Mr Arvind K Kulkarni, Principal (Retd.), Dharwad on October 28, 2017.

Kanchepuram

- ❖ Seminar on 'Data Science and Big Data Analytics' on October 31, 2017.

Kanyakumari

- ❖ Lecture on 'Technology Innovation' delivered by Dr S Arumuga Perumal on October 9, 2017.

Kollam

- ❖ Organized 'Skill Development Programme' on July 8, 2017.
- ❖ Organized Training Programme on 'Soft Computing' on August 18 and August 21, 2017.
- ❖ Lecture on 'Fourth Industrial Revolution - Role of Start-ups' delivered by Dr Saji Gopinath, CEO, Kerala Start-up Mission (KSUM) and Director, Indian Institute of Information Technology and Management Kerala on October 30, 2017.

Mangalore

- ❖ Lecture on 'Technology and Environment' delivered by Dr N Lakshman, Professor, Department of Applied Mechanics, NITK, Surathkal on September 26, 2017.

Meerut

- ❖ Lecture on 'Doubling the Income of Farmers in Next Five Years' delivered by Dr K K Singh on October 8, 2017.

Mysore

- ❖ Seminar on 'Role of Engineers in Developing India' on September 3, 2017.
- ❖ Seminar on 'URJAVARAN 2017-2018' on September 12, 2017.

Palghat

- ❖ Seminar on 'Technological Advancements and Safety & Sustainable Practices in Railways' on October 7, 2017.

Salem

- ❖ Seminar on 'Recent Trends in IoT for Smart Investment' on September 8, 2017.
- ❖ Seminar on 'Wearable Technology' on September 26, 2017.
- ❖ Workshop on 'The Recent Trends in Nano Technology' on September 28, 2017.
- ❖ Seminar on 'Wireless Sensor Networks in Human Healthcare Monitoring' on October 9, 2017.
- ❖ Seminar on 'Effective and Remunerative Approach in Production of Ethanol from Sea Weeds' on October 12, 2017.

Saurashtra

- ❖ Lecture on 'Role of Engineers in Technical Education System' delivered by Prof (Dr) Sachin Parikh, Professor & Head, Chemical Engineering Department, L D College of Engineering, Ahmedabad on September 23, 2017.

Solapur

- ❖ Workshop on 'Hands on Advanced Manufacturing Processes' on October 15, 2017.

Tiruvallur

- ❖ Lecture Series on 'Enhancing Foreign University Skills' on October 24, 2017.

Visakhapatnam

- ❖ Workshop on 'Lab View and Its Applications' on October 7, 2017.

Paradigm Shift in Chemical Engineering Education, Processes and Technology

Contd. from page 3

from USA. He nicely explained the current trends giving industrial examples of chemical industry. During Valedictory Function, Mr B S Patel, Council Member, IEI, welcomed the guest and participants. Dr G P Vadodaria, Principal, L D College of Engineering, Ahmedabad was the Chief Guest of this function. The brief report of the Conference along with recommendations was presented by Prof S R Shah. The Conference facilitated a MoU of industry-academia interaction between L D College of Engineering (LDCE), Ahmedabad and Gujarat Chemical Association (GCA) in presence of Dr G P Vadodaria, Principal, LDCE

and Dr Jaimin Vasa, President GCA. Mr Navinchandra B Vasoya, President, IEI, expressed his satisfaction for organizing the Conference in a befitting manner. In his address, Mr Vasoya invited students to join for IEI Membership after completion of their graduation. Dr Jaimin Vasa also explained the importance of MoU to students and informed them to take maximum benefit of the same and invited faculty members also to come to their industry and discuss the issue of industry. Dr Sachin Parikh, Head, Chemical Engineering Department, LDCE, Ahmedabad, proposed the vote of thanks.

IEI Celebrates 50th Engineers' Day

Theme: Role of Engineers in a Developing India

The 50th Engineers' Day was celebrated by the Institution all over the country on September 15, 2017 to commemorate the 157th birth anniversary of legendary Engineer-Statesman Bharat Ratna Sir M Visvesvaraya. Brief accounts of the celebration as received from various Centres are highlighted hereunder.

STATE CENTRES

Bihar

Mr Ashok Kumar Sinha, Chairman of the Centre, welcomed the august gathering. Mr Anand Kishor, Commissioner, Patna, graced the occasion as the Chief Guest and expressed his gratitude to the valuable role played by the engineers in developing the socio-economic aspects of present India. Mr P K Rai, Former Chairman, Bihar State Electricity Board, delivered the Keynote Address on the theme 'Role of Engineers in a Developing India'. Mr Sandeep Prakash, Honorary Secretary of the Centre, proposed the vote of thanks.

A large number of engineers and technocrats from various departments of Bihar Government as well as from other organizations attended the function.

Chhattisgarh

The Chief Guest, Dr S K Pandey, Hon'ble Vice Chancellor, Pt. Ravi Shankar Shukla University, Raipur, in his address, focused on sustainable development balancing nature's cycle. Explaining the role of engineers in developing India, Dr Pandey stressed that technology should be sustainable, affordable and it should be used in appropriate manner, so that, utmost benefits could be drawn for the development of the society. Keynote Speaker, Mr Shashank Sharma, Veteran Journalist and Director, CG State Hindi Granth Academy, Raipur, delivered the theme lecture on 'Role of Engineers in a Developing India'. Prof (Dr) A M Rawani, Director, NIT, Raipur, graced the occasion as the Guest-of-Honour and presented a brief life sketch of Sir M Visvesvaraya. The function was chaired by Mr J P Saboo, Chairman of the Centre. Dr Sanjay Kumar conducted the programme.

Delhi

Mr Devendra Gill, Chairman of the Centre, in his welcome address, briefed about the achievements and contributions of Sir M Visvesvaraya, the towering personality in the history of Indian engineering. The Chief Guest, Mr N Venkateshan, Former Member,



Electrical, Railway Board, in his address, lamented that unregulated engineering profession is adversely affecting the credibility of engineering fraternity and stressed that like other professions as Doctors, Chartered Accountants, etc, engineering profession should be brought into legal framework in order to ensure the

utmost quantity. Mr Pradeep Chaturvedi, Council Member, IEI, in his Keynote Address, highlighted the challenges being faced world over by societies in the 21st Century. He mentioned some key issues, such as, access to affordable healthcare; need for energy security; access to clean drinking water, disaster mitigation, environmental protection and conservation, management of dwindling natural resources, etc, where engineers shall have to play a leading role through deployment of relevant practices and technologies. Mr Praveen Kumar Singh, Honorary Secretary of the Centre, proposed the vote of thanks.

Himachal Pradesh

Mr R S Rana, Honorary Secretary of the Centre, welcomed the august gathering and highlighted the valuable contributions of Sir M Visvesvaraya and suggested engineers to emulate the life style of this



great engineer-statesman who is the beacon light for the engineering community. Mr Dinesh Kumar Kashyap, Chairman of the Centre, elaborated the theme of the day and mentioned that engineers make a reality to the potential value of science. Mr R S Rana, proposed the vote of thanks. A large numbers of engineers from HPPWD, HIMUDA, HPSEB, HPPCL, SJVNL, I&PH, BSNL and Engineering faculty from various institutions participated actively in the programme.

Kerala

Mr N Rajkumar, Chairman of the Centre, welcomed the gathering and introduced the speaker. The Guest Speaker, Mr P Vijayachandran, Past Chairman of the Centre, in



his speech, pointed out that Sir M Visvesvaraya was a visionary who spearheaded development in India. 'The standards of Indian engineers are coming down due to the poor quality of engineering education and engineering education is now at crossroads' he added. Mr K G Chandrasekharan, Past Chairman of the Centre, narrated the life sketch of Sir

M Visvesvaraya. Mr K S Udaya Kumar, Honorary Secretary of the Centre, proposed the vote of thanks.

Uttarakhand

The Chief Guest, Mr Trivendra Singh Rawat, Hon'ble Chief Minister of Uttarakhand, highlighted the outstanding contributions of Sir M Visvesvaraya to the society, especially on Economic Planning, Planned Economy and Reconstructing India. He urged that engineers should take active part in uplifting technical education, employment, establishment and development of industries in the state. On this occasion, book entitled "Bharat Ratana Sir Mokshagundam Visvesvarayaji Ki Jivan Katha" written by Mr Narendra Singh, Council Member, IEI and Mr Satendra Mittal was released. Mr Narendra Singh briefly narrated the life sketch Sir M Visvesvaraya. Dr B R Gurjar of IIT Roorkee, delivered the theme lecture. Dignitaries, namely, Prof (Dr) P K Garg, Chancellor, Uttarakhand Technical University; Mr A K Dinkar, E-in-C, Irrigation Department, Uttarakhand; Mr H K Upreti, E-in-C, Public Works Department, Uttarakhand; Mr B C K Mishra, MD, Uttarakhand Power Corporation Ltd; Mr Mohd Umar, CE, Minor Irrigation Department and Mr V K Gupta, CGM, ED, Oil and Natural Gas Corporation Ltd, graced the occasion as the Guests-of-Honour.



West Bengal

The Chief Guest, Prof Harish Hirani, Director, CSIR – Central Mechanical Engineering Research Institute (CMERI), Durgapur, in his speech, deliberated on the theme stating that in the context of present Indian scenario, the engineers of our nation have certain specific role to realize the 'Make in India' movement, such as, to solve the problem of environmental pollution by



vehicles, countries dependence on crude oil, at least 70% of which is imported causing a great strain on economy and further socio-economic transformation to eliminate poverty. 'India has huge bubbling youths who have the potential to acquire the skills in different domain of engineering, science and technology and contribute towards Make in India', he opined. Earlier, Mr Kashmir Lal Mallik, Chairman of the Centre, delivered the welcome address. Prof (Dr) Swapan Kumar Ghosh, Joint Honorary Secretary, presented the life sketch of Sir M Visvesvaraya and Mr Jayanta Kumar Dutta, Joint Honorary Secretary introduced the Chief Guest. Mr Ranjan Dutta, Honorary Secretary of the Centre, proposed the vote of thanks.

LOCAL CENTRES

Agra

Mr Devendra Singh Chaudhary, Chairman of the Centre, presided over the function and narrated the achievements of Sir M Visvesvaraya. The Chief Guest, Mr Bhavani Singh Ji (Social Worker), urged the engineers to move with positive thinking, so as to reach to new heights.

The Speaker, Mr Ram Kohali, Enterprises Risk Management, Wipro Info Tech, Noida, stressed on potential and working ability of human being. The other Speaker, Mr Shailesh Tripathi, Manager, HP India, spoke about corporate culture and its requirements for future



engineers. Mr Yuvraj Ambeeresh Pal Singh, the Guest-of-Honour and Dr A P Singh, Director, RBSETC, also addressed the gathering. Dr B D K Patro, Honorary Secretary of the Centre, proposed the vote of thanks.

Aligarh



Prof Mohammed Kamil, Chairman of the Centre, welcomed the dignitaries and elaborated the theme of the day. Prof Kr Khalil A Khan, Past Chairman of the Centre, presented a life sketch of Sir M Visvesvaraya. The Chief Guest, Mr Tarun Kumar Sharma, Chief Engineer, Nagar Nigam, Agra, in his speech, emphasized the role of young engineers in building

the nation and shared some of his experiences. The Guest-of-Honour, Mr Shashank Bhushan, Deputy Director, Central Water Commission, New Delhi, stressed upon the need for knowledge and skills that young engineers should possess to make the country strong in infrastructural development and water resources. Prof Sufyan Beg, Principal, Z H College of Engineering & Technology, AMU, Aligarh, shared some of his experiences and stressed on the importance of collaborative activities that take a nation to a greater height. Mr Gyan Prakash Goyal, Honorary Secretary of the Centre, proposed the vote of thanks.

Allahabad

On this occasion, a marble statue of Sir M Visvesvaraya was installed in the Centre which was unveiled by the Chief Guest, Mr Keshari Nath Tripathi, Hon'ble Governor of West Bengal. On this day, Mrs Gayatri Devi (War Widow) was Honoured by the Governor of West Bengal. This unique gesture has been widely appreciated. Mr B N Sharan, Chairman and Mr Awdhesh Kumar, Honorary Secretary along with other Corporate Members of the Centre, played a pivotal role in the success of the event.



Aurangabad

Dr S D Deshmukh, Chairman of the Centre, welcomed the guests and dignitaries and introduced the theme of the day. The Chief Guest, Mr Mukund Surkutwar, Chief Engineer, P W Division, Aurangabad Region, emphasized the need for the quality engineering



education and execution of developmental works. He appealed to the engineers to update their knowledge to cope up with the modern era. Mr Sunil Bhoomkar, DGM, Bajaj Auto Industries, Aurangabad, while speaking on the theme, emphasized the need for adaption of latest technical

knowhow, transparent and hard working by the engineers to have their valuable contribution in the areas of heavy engineering, industry, agriculture and transportation. Mr Ashok Sasane, Honorary Secretary of the Centre, proposed the vote of thanks.

Barauni

The Chief Guest, Mr K N Jha, Deputy GM-cum-ESE (Tech), Barauni Thermal Power Station (BTPS), paid rich tributes to Sir M Visvesvaraya and delivered lecture on the theme 'Role of Engineers in a Developing India'. Dignitaries including Mr K K Srivastava, Mr S K Singh, Mr Prashant Kumar, EEE (ESD, Barauni), Mr Deepraj Suman, AEE, BTPS, Mr Rajjit Kumar, JEE, BTPS, and Honorary Secretary of the Centre, attended the programme and addressed the august gathering.



Belagavi

Mr S M Masuti, Honorary Secretary of the Centre, welcomed the august gathering. Prof B V Chiniwalar, Chairperson of the Centre, presided over the function. The Chief Guest, Mr Satish Annigeri, Registrar, Education, in his speech, highlighted the need of



quality service by the engineers in the development of the nation. Dr Raghuraj K Rao, Vice President, Operations and In-Charge of R&D, Aqua Alloys Pvt. Ltd., Belagavi, while speaking on the theme, emphasized the need to develop Technical

Institutes and Universities of the country at par with the standards set up by the developed nations, in order to make Indian Engineering world-class. Dr B Venkatesh, Joint Honorary Secretary of the Centre, proposed the vote of thanks.

Berhampur

Mr Ashutosh Patra, Chairman of the Centre, in his welcome address, highlighted the diversified role of the engineers for nation building activities and stressed on the development of their fundamental understandings related to professional responsibilities. Mr Sanjay Kumar Mohapatra, Honorary Secretary of the Centre, introduced the dignitaries.



The Chief Guest, Mr Sudhakar Patri, Former Chief Engineer, Water Resources Department, advised engineers to adopt smart technologies for conservation of natural resources and simultaneously stressed on to protect the environment.

The Guest-of-Honour, Mr Garuda Sreetharamayya, Head (Project), Gopalpur Port Ltd, exhorted the engineers to make the country a 'Zero Waste Nation' with adoption of innovative technologies at affordable cost. The Speaker, Mr Ram Dahim Sao, Head (Project), Ohermical Division Ganjam, Grasim Industries Ltd., enumerated on various aspects embracing the theme of the day. Mr S K Panigrahi, Past Honorary Secretary of the Centre, proposed the vote of thanks.

Bhimavaram

Dr K Brahma Raju, Chairman of the Centre, conducted the programme. Dr D Suryanarayana Raju, Retired Engineer-in-Chief, R&B Department, Andhra Pradesh, graced the occasion as the Chief Guest. In his speech, Dr Raju highlighted various emerging technologies in the engineering sectors and job opportunities. The Guest-of-Honour, Prof P A R K Raju from Civil Engineering Department, highlighted the importance of engineering education. Mr S Ranga Raju, Director, SRKR Engineering College, stressed that students have to focus on developing Engineering Innovative Models in day-to-day applications. A large number of students, faculty and engineers from industries in and around Bhimavaram region attended the function.



Bokaro Steel City



The Chief Guest, Mr P K Singh, CEO, SAIL, Bokaro Steel Plant, in his speech, shared the contributions made by Sir M Visvesvaraya in the field of engineering and development of the country. He further mentioned that the theme of the Engineers' Day is very important to the young engineers for the

development of new India. A Souvenir on the theme of the day was brought out which was released by the Chief Guest. Earlier, Mr A C Goyal, Chairman of the Centre, in his welcome address, highlighted the achievements of Sir M Visvesvaraya and explained the role of engineers in developing India. Mr Y N Singh, Honorary Secretary of the Centre, proposed the vote of thanks.

Ghaziabad

Prof (Dr) Hari Shankar Sharma, Chairman of the Centre, welcomed the gathering. The Chief Guest, Prof S C Saxena, Vice Chancellor, Jaypee Institute of Information Technology, highlighted unique qualities of Sir M Visvesvaraya and invoked students to imbibe them in their lives for a better professional career. He praised the engineers for their valuable role in nation building activities and exhorted young students to dedicate themselves for the upliftment of GDP and thereby nation. Prof Laxman Prasad, Group Director, RKGIT and Prof (Dr) B K Gupta, Group Advisor, RKGIT, were the Guests-of-Honour. Prof Prasad spoke about the pace of development in India since independence and stressed on speedy development of the country which is possible only by the engineers. Prof (Dr) M P Maheswari, Director, RKGIT highlighted the great contributions of Sir M Visvesvaraya for nation building.



Hosur

Dr N S Bhadrinarayana, Chairman of the Centre, welcomed the august gathering. The



Chief Guest, Ms S Shanthi, District Revenue Officer, Collectorate, Krishnagiri District, stated that every engineering student should aim a big target and focus their full attention on the target till the goal is achieved. Dr G Ranganath, Chairman of Tamilnadu State Centre, IEI, in his

address, lauded the tributes conferred on Sir M Visvesvaraya for his contributions to the engineering. He urged the students to follow the principles of Sir MV to come up in life. Dr J Arivudai Nambi, Honorary Secretary of the Centre, proposed the vote of thanks.

Jabalpur

The Chief Guest, Mr Alok Dave, General Manager (Retd.), Indian Railway and Guests-of-Honour, Col (Retd) R S Malhotra and Mr Komal Chand Jain, Chief Engineer (Retd.), Govt. of Botswana and Govt. of Zimbabwe, South Africa, graced the occasion. All the dignitaries delivered speeches on the theme of the Day 'Role of Engineers in a Developing India'. They highlighted the valuable contributions of Sir M Visvesvaraya and pointed out that it is the duty of the engineers to take the society ahead by following the path laid down by Sir M Visvesvaraya. Mr Sanjay Kumar Mehta, Committee Member of the Centre, presented the life sketch of Sir M V. Earlier, Chairman and Honorary Secretary of the Centre, welcomed the guests and participants. Mr Tarun Kumar Anand, proposed the vote of thanks.



Jamshedpur

The Chief Guest, Mr R P Tyagi, Former General Manager, Tata Steel and Former Managing Director, Tayo Rolls Ltd, presented a detailed life sketch of Sir M Visvesvaraya. He mentioned that Sir MV's learned discourse on economic planning in India, planned economy for India and restructuring India was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. He explained that India is still a developing country and



its development largely depends upon the robust industrial infrastructure. 'The Indian engineering industry has emerged as a dynamic sector in the country's industrial economy and has made the country self-reliant in key areas', he opined. Earlier, Mr Aneesh Gupta, Chairman of the Centre, delivered the welcome address and introduced the theme. The function was concluded with the vote of thanks proposed by Mr Anil Kumar Choudhary, Honorary Secretary of the Centre.

Kanpur

Prof D P Mishra, Chairman of the Centre, welcomed the august gathering. Prof Vinay Kumar Pathak, Vice Chancellor, AKTU, Lunknow & HBTU, Kanpur and Mr Vinod Kumar Tripathi, Chief Engineer, Ram Ganga Project, Irrigation Department, Kanpur, graced the occasion as the Chief Guest and Guest-of-Honour, respectively. Mr Yogesh M Joshi, Vice Chairman, INAE, Kanpur Centre, presented a life sketch of Sir M Visvesvaraya. Theme Speaker, Prof (Retd) Keshav Kant, Department of Mechanical Engineering, IIT Kanpur, mentioned that a scientist always discovers new things but an engineer works out how this can be used in human welfare and commercial use. The other Theme Speaker, Prof Shashank Kumar Mehta, Department of Computer Science & Engineering, IIT Kanpur, stressed on maintaining quality of consumer goods of daily use and suggested that professional engineers & technologists may contribute a lot in this direction. Mr Vivek Asthana, Honorary Secretary of the Centre, proposed the vote of thanks.



Kharagpur

Prof O P Sha, Chairman of the Centre, in his welcome address, highlighted the great contributions of Sir M Visvesvaraya in the field of engineering and emphasized the importance of observing the day. Mr Nilanjan Basu, BCE Design Services LLP, Kolkata, and Mr Anirban Sengupta, STUP Consultants Pvt. Ltd., Mumbai, graced the occasion as the Chief Guest and Guest-of-Honour, respectively and delivered lectures. Mr Sengupta highlighted the multifaceted personality of Sir M Visvesvaraya. He appealed to engineering fraternity, whether they are in academic, R&D or in industry, to work for the development of the nation and emulate the path laid down by the worthy son of India Sir M Visvesvaraya. Prof D Maity, Honorary Secretary of the Centre, proposed the vote of thanks.



Kozhikode

Mr Jithesh C, Honorary Secretary of the Centre, welcomed the august gathering. Prof (Dr) K P Mohandas, Chairman of the Centre, while presiding over the function highlighted the personality and important contributions of Sir M Visvesvaraya. Mr



Parameshwaran S, Chief Engineer, KSEB, Distribution (North), delivered lecture on the theme of the day. Dr Muhammed Shareef, President, KSEB Engineers Association, highlighted the need for improving the quality of engineering education in India. Mr S Swaminathan, Deputy Chief Engineer, Electrical Circle, KSEB, Kozhikode, stressed on more productive and meaningful research and developmental work for solving the problems of the industries. Mr C Jayaram, Committee Member of the Centre, proposed the vote of thanks.

Madurai

Mr K Vijaya Kumar, Chairman of the Centre, welcomed the august gathering and presided over the function. The Chief Guest, Dr K Sarukesi, Former Vice Chancellor, Hindustan University, Chennai, stressed on improving quality in every engineering activity from engineering education and in the design and execution of engineering profession. While speaking on engineering education, he requested for the support of the industries in developing the skill and making the curriculum in such a way to suit the necessity of the industries. Mr R Narayanasamy, Joint Honorary Secretary of the Centre, proposed the vote of thanks.



Munirabad

Mr Shankare Gowda, Chief Engineer In-Charge, Tubgabbhadra Project, Munirabad, graced the function as the Chief Guest. The Guest Speaker, Mr Veereshappa Kuppagal, Professor, RYM Engineering College, Bellary, in his speech, highlighted the great contributions of Sir M V towards the nation and society at large. He further spoke about the vital role played by the engineers in nation building activities. Earlier, Rajashekhar Gowda Patil, Honorary Secretary of the Centre, welcomed the august gathering. Mr Patil also proposed the vote of thanks.



Muzaffarpur

Dr S K Mishra, Chairman of the Centre, in his welcome address, urged the engineers to play a crucial role for the progress of the country by adopting new technologies. Dr Rajeev Ranjan Kumar, Honorary Secretary of the Centre, emphasized that the development of a nation depends on robust industrial infrastructure. Mr Anjani Kumar Srivastava, Retd. Deputy Chief General Manager, Hindustan Aeronautics Ltd and Mr Pranchand Sahu, Retd. Superintending Engineer, Water Resources Department, Govt. of Bihar, graced the occasion as the Chief Guest and Guest-of-Honour, respectively. Mr Sahu, in his speech, threw light on the Irrigation Plan in detail. Dr J N Jha, Principal, MIT, Muzaffarpur, presided over the function and highlighted the merit of the entrepreneurship. Prof C B Rai, Past Chairman of the Centre, proposed the vote of thanks.



Mysore

The Guest-of-Honour, Dr N Muthukumar, President & Whole Time Director, Automotive Axles Ltd., Mysore & Past Chairman of CII-Mysore, paid a glowing tributes to Sir M Visvesvaraya for his outstanding contribution made to the country and in particular to earlier Mysore State. He stressed on the necessity of following Sir MV's principle for the progress of the nation. He highlighted that Indian industries are growing and undergoing a tremendous change to cope up with the world scenario. Dignitaries including Mr L Basavaraju, Former Secretary, Irrigation Department, Government of Karnataka; Mr K Ravichandran, Deputy Chief Engineer (Construction), South Western Railways, Mysore; Mr S Sumanth, Retd. Director (Transmission), KPTCL; Mr Jagadish Babu V K, Founder Chairman & Managing Director of Sankalpa Constructions Pvt. Ltd; Mr S V Gowdappa, Executive Engineer, Mysore Urban Development Authority, Mysore, attended the function.



Palghat

The Chief Guest, Mr G Krishnakumar, Managing Director, Rubfila International Ltd., Kanjikkode, while speaking on Indian Industry, mentioned that India's engineering industry accounts for 27% of the total factories in the industrial sector and represents 63% of the overall foreign collaborations. He informed that being the largest foreign exchange earner in the country, the engineering sector gets around 63% of share through foreign collaborations. The Guest Speaker, Prof (Dr) K K Sasi, Professor, Electrical



and Electronics, Amrita Vishwa Vidyapeetham, Coimbatore, delivered lecture on 'New Business Models in Renewable Energy'. He mentioned that the poor section of the society enjoys only 4% of commercial energy and suffers the worst from climate change. He also explained the benefit of wind power generation, production and biogas. Earlier, Mr A Kesavan, Chairman of the Centre, delivered the welcome address. Mr K Unnikrishnan, Joint Honorary Secretary of the Centre, proposed the vote of thanks.

Pune

Mr Nighojkar Avinash Keshavrao, Honorary Secretary of the Centre, welcomed the dignitaries. The Chief Guest, Mr Pravin Kide, Chief Engineer, Public Works Department, Pune Region, stated that we label a state or city and even a country as 'developed or good' comparing by the yard stick of 'Good quality and Networks of Roads'. He further emphasized that the road network creates jobs for millions and facilitates quick transport of agricultural produce, industrial products & machinery which ultimately culminates into development of a nation. The Keynote Speaker, Prof Rabinder Henry, Director, Pralhad P Chhabria Research Center, Pune, in his speech, elaborated on the terms developing and developed. 'Our IT sector is labeled as 'top class' on the global scenario but we lack in the fresh work on fundamental science and technology', he added. Mr V N Shinde, Convener of the programme, proposed the vote of thanks.

Ramagundam

Mr G Rajender Reddy, General Manager, Ramagundam-III Area, graced the function as Chief Guest and paid rich tributes to Sir M Visvesvaraya. Other dignitaries present on the occasion included Prof (Dr) Ch. Sridhar Reddy, Mr B Veera Reddy, General Manager, Adriyal Project Area; Mr W Vijahababu, General Manager, Ramagundam-II Area; Mr V Vijayapal Reddy, General Manager, Ramagundam-I Area; Mr G Venkateswara Reddy, General Manager (Rescue S/S); Mr K Rama Mohan, Honorary Secretary of the Centre and Dr Prasanna Lakshmi, Committee Member of the Centre. Earlier, Mr E H Veera Reddy, Joint Honorary Secretary of the Centre welcomed gathering. On this occasion, a Seminar on the theme of the day was also organized. Participants including engineers of SCCO Ltd, faculties and students of JNTUHCCEM, members of the Centre, attended the programme.

Saurashtra

Mr Prabhakar B Ninawe, Divisional Railway Manager, Rajkot graced the occasion as the Chief Guest and presented a detailed technical information about the role of Indian Railway in developing India. The Theme Speaker, Prof (Dr) Tarak Vora, Head, Civil Engineering Department, Marwadi Engineering College, Rajkot, in his address, narrated the difference between developed and developing countries and explained the role of engineers in technical education system. Earlier, Mr Deepak V Suchde, Past Chairman of the Centre, welcomed the guests and dignitaries. The function was concluded with the vote of thanks proposed by Mr Navinchandra R Kalaria, Honorary Secretary of the Centre.

Sunabeda

Mr Jitendra Mohan Sahu, Chairman of the Center, delivered the welcome address and presented the life sketch of Sir M Visvesvaraya. Mr P Jayapal, Chief Executive (Airworthiness), CEMILAC, graced the occasion as the Chief Guest and addressed the gathering. On this occasion, a Souvenir was brought out which was released by the Chief Guest. Mr Asutosh Mallick, GM, Engine Division, HAL, Sunabeda; Mr D K Mohanty, Executive Director, NALCO, Damanjodi; and Mr Debashis Deb, Executive Director, HAL, Koraput, were the Guests-of-Honour. Dr Srikanta Patnaik, Professor, ITER, SOA University, delivered the Keynote Address. Mr G P Dash, Honorary Secretary of the Centre, highlighted various activities of the Centre. Mr Sunil Kumar Biswal, Convener of the programme, proposed the vote of thanks.

Tiruchirappalli

Mr R Selvaraj, Chairman of the Centre, delivered the welcome address. The Chief Guest, Mr R A Krishnakumar, Executive Director, Dalmia Cement (Bharat) Ltd., Dalmiapuram, mentioned that the huge number of qualified engineers produced in India every year,

is the key factor in the development of the country. He urged the engineering fraternity to join in rededicating themselves to the highest values of professional excellence and collaborate and contribute to nation building by deploying engineering advances for societal needs in a fair, honest and transparent manner. Mr J Sankaran, Former Executive Director, BHEL, Visakhapatnam, in his presidential address, mentioned that engineers should follow ethics and maintain quality during their services. Mr S Lakshmanan, Honorary Secretary of the Centre, proposed the vote of thanks.

Tirupati

The Chief Guest, Prof V Durga Bhavani, Vice-Chancellor, Sri Padmavathi Mahila Viswa Vidyalayam, Tirupati, highlighted the nobility of Sir M Visvesvaraya. Prof M Ramasubba



Reddy of IIT Madras, while speaking on the theme, mentioned that engineers play a very important role in every walk of life and convert knowledge of basic sciences into products. He further stated that engineers are versatile in minds who build bridges between sciences, technology and society. Mr K V Reddy, Chairman of the Centre presided over the function and

addressed the gathering. Mr S Vijayabhaskar, Honorary Secretary of the Centre, also participated in the programme. Earlier, Dr G Umamaheswara Reddy, Joint Honorary Secretary of the Centre, welcomed the august gathering. Vote of thanks was proposed by Mr P Balaji, Joint Honorary Secretary of the Centre.

Tiruchur

Mr V Damodaran, Chairman of the Centre, presided over the function. Dr S P Subramanian graced the occasion as the Chief Guest who was introduced by Mr V K Lakshmanan Nair. Dr Subramanian presented the theme paper on the topic 'Role of Engineers in a Developing India'. The function concluded with the vote of thanks proposed by Mr U K Sugathan, Honorary Secretary of the Centre.



Udaipur

Mr M K Mathur, Chairman of the Centre, welcomed the gathering and highlighted the importance of the theme of the day. The Chief Guest, Mr L S Shekhawat, Chief Operating Officer, Hindustan Zinc Limited, Udaipur, briefed about the involvement of engineers in practical aspect at various projects in mining and smelting areas. He emphasized to provide internship as an on-the-job training of fresh engineers coming out from various engineering colleges in order to improve their working skill and to develop their interest in engineering filed.

The Keynote Speaker, Dr S S Rathore, Dean, College of Technology and Engineering, Udaipur, shared his experience about the theme of the day and elaborated the percentage involvement of engineers in various fields. Mr Anurodh Prashant Sharma, Honorary Secretary of the Centre, proposed the vote of thanks.

Upper Assam

Mr Amitava Dasgupta, Chairman of the Centre, in his welcome address, highlighted the significance of the day and the theme. The Chief Guest, Mr Bedanta Prasad Sarma, Resident Chief Executive of Oil India Limited, in his speech, urged to come up with short-term and long-term planned measures by the learned engineers of IEI Centre to tackle the challenges facing with Water Management, Rural Development, Sustainable Development and Quality & Safety of the vast region of Assam. Mr Diganta Kumar Dutta, Immediate Past Chairman of the Centre, highlighted the valuable contributions of Sir M Visvesvaraya and inspired all the engineers to follow his working ideology. Dr Uddhab Kumar Bharali, a great innovator-scientist of South East Asia, advised the students and young engineers to take arduous path to achieve success in life and failure to be taken as the first challenge for success in life. Earlier, Mr Ramesh Chandra Das, Honorary Secretary of the Centre, presented a life-sketch of Sir M Visvesvaraya. Mr Kishore Kumar Das, proposed the vote of thanks.



Ninety-seventh Annual General Meeting of The Institution of Engineers (India)

Proceedings

The 97th Annual General Meeting (AGM) of The Institution of Engineers (India) was held at 1430 hrs on 18 Dec 2016 at Hotel J W Marriot, 4A J B S Haldane Avenue, Kolkata 700105.

Attended by 240 Corporate Members, the meeting was chaired by Mr H C S Berry, FIE, President of IEI. The President welcomed the Past Presidents of IEI, President-elect and Corporate members present at the meeting.

The President announced that Gujarat, Jharkhand, Karnataka State Centres and Durgapur, Madurai, Nashik Local Centres of The Institution of Engineers (India) had been adjudged the best State Centres and best Local Centres respectively for their all-round performance during the year 2015-2016. President presented the trophies of the best State and Local Centre Awards, Certificates and cheques of Rs. 50,000/- each to the Chairmen of the Centres.

The President then announced that due to the bifurcation of the erstwhile Andhra Pradesh State, two State Centres by name Andhra Pradesh State Centre and Telangana State Centre had been established. The Telangana State Centre is located in the erstwhile Andhra Pradesh State Centre Building. The erstwhile Vijayawada Local Centre had been upgraded to the Andhra Pradesh State Centre.

The President, before taking up the Agenda items, informed that during his tenure of office of the President, IEI, the Council took many important decisions for the best interest of the Institution during that point of time. He thanked the Past Presidents, Council Members and Corporate Members of the IEI for extending their wholehearted support on all his activities during his tenure in the Office of the President IEI. He requested the Council Members and the Corporate Members for extending their wholehearted support to Mr Navinchandra B Vasoya, the incoming President, in all his endeavours.

Thereafter, on being invited by the President, the Secretary and Director General read out the Notice of the meeting published in November 2016 issue of IEI News.

ITEM 1 Confirmation of Minutes of the 96th Annual General Meeting held on 20 Dec 2015 at Guwahati

The Minutes of the 96th Annual General Meeting held on 20 Dec 2015 at Guwahati were circulated to all Corporate Members through Mar 2016 issue [Vol. 65, No.12, Page 8-11] of IEI News. The Minutes of the 96th Annual General Meeting were recirculated in the Nov 2016 issue [Vol.66, No.8, Pages 9-12] of IEI News along with the Notice of the 97th Annual General Meeting. President invited comments on the Minutes from the members present. There being no comments from the members, Mr Saibal Chakraborty, AMIE proposed that the Minutes of the 96th Annual General Meeting of The Institution of Engineers (India) held on 20 Dec 2016 at Guwahati be confirmed. Mr Dwijendra Nath Dolai, AMIE seconded the proposal.

It was Resolved that the Minutes of the 96th Annual General Meeting of The Institution of Engineers (India) held on 20 Dec 2015 at Guwahati be confirmed.

ITEM 2 To receive the Annual Report of the Council and the Audited Accounts of The Institution of Engineers (India) for the year ended 31 March 2016

(i) Annual Report

President invited comments from the members present on the Annual Report of the Council for the year 2015-2016 as circulated. No comments were received from the members.

Mr Subhash Chander, MIE then proposed that the Annual Report of the Council for the year 2015-2016 be received. Mr P Ramarasu, MIE seconded the proposal.

It was Resolved that the Annual Report of the Council for the year 2015-2016 be received.

(ii) Audited Accounts

President then invited comments on the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2016. No comments were received from the members.

Mr Gajendra Nath Khound, FIE then proposed that the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2016 be received. Mr Pradeep Adhikari, FIE seconded the proposal.

It was thereafter Resolved that the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2016 be received.

ITEM 3 To receive the report of the Council on election of the President and composition of the Council for the Session 2016-2017

The President announced that the Council had duly elected Mr Navinchandra B Vasoya, FIE as President of The Institution of Engineers (India) for the Session 2016-2017. The members welcomed the announcement. Thereupon, Mr Navinchandra B Vasoya took over charge from Mr H C S Berry and presided over the meeting.

Mr Navinchandra B Vasoya, President presented the Scroll of Honour to Mr H C S Berry.

Mr Navinchandra B Vasoya thanked the members of the Council for electing him as the President of The Institution of Engineers (India) and also the members present at the meeting and sought their help and guidance for development of the Institution.

Mr Navinchandra B Vasoya, President then delivered his Presidential Address.

In his address, the President expressed that he was grateful to the Council for having bestowed upon him the opportunity for serving the Institution in this prestigious position. It would be his endeavour to keep up the standards set by his eminent and illustrious predecessors. With the vast pool of talent, deep knowledge and wide experience available with the Members of the Council and with the Corporate Members of IEI, from all walks of Engineering Science and modern technology, it would be possible to ensure further growth of this great Institution.

The President also said that while the issue of work-force numbers is being managed, quality is yet to attain the requisite standards to be counted amongst the best in the world. IEI is educating professionals for employment anywhere in the world and also in emerging technology areas.

He went on to highlight that the IEI has been playing a dominant role in shaping and promoting the Engineering education in the country and that the Institution was responsible for according accreditation to the engineering colleges and institutes and their curricula of teaching for several decades till AICTE was established and the IEI has rigorous set of norms and very high standards in the planning and conduct of its examination system.

Keeping the contemporary needs of the country and society, the President envisioned that the IEI can play a significant role and concentrate on a five-

point programme which may call “Panchamrut”. These are:

1. IEI Continuing Education and Skill Development Programme
2. IEI Start Up Initiative
3. IEI initiative for woman empowerment in engineering
4. IEI Outreach Programme with Industry
5. IEI Placement Drive

He went on to note that there was a need to have serious relook at what is being taught in the educational institutions, the method of training etc and the coordination between the industry, academic and the decision and policy makers therefore assumes greater importance.

Some of the other significant aspects of the address are:

- ❖ IEI should also intensify its interaction with industries through a structures framework. Regular programmes in association with industry bodies and sharing the platform with them on contemporary technical issues will definitely create a milieu of IEI-Industry bonhomie. The blending of knowledge with business will definitely help in achieving ‘Sabka Saath Sabka Vikas’ which is the clarion call of the respected Prime Minister.
- ❖ IEI’s continuing education programme is robust, run methodically and the syllabus is also contemporary in nature. IEI should now initiate the process of placement of IEI graduates in leading organizations throughout the country and abroad. IEI Headquarters will look into this aspect centrally and devise a framework to assist the graduates to avail the opportunity.

He also gave emphasis on the Centenary Celebration of IEI which have already been planned through a well thought framework. He would also like to focus on events which will showcase the contribution of the IEI and of the Engineering fraternity at the global stage. IEI has planned to set up convention centres which can be used by its partners organization as well as other to organise events contemporary relevance.

On being requested by Mr Navinchandra B Vasoya, President, the Secretary and Director General reported the following composition of the Council for the Session 2016-2017:

The composition of the Council for the Session 2016-2017 shall be as follows under provisions of various Bye Laws:

Mr Navinchandra B Vasoya, President

(1) Under provisions of Bye-Law 4(a)(ii)

The following, by virtue of their being the two Immediate Past Presidents, shall become Members of the Council for the Session 2016-2017 :

Mr H C S Berry, and

Dr L V Muralikrishna Reddy

(2) Under provisions of Bye-Law 4(a)(iii)

The following Corporate Members have been declared elected to the Council from the respective State Centre seat for the Sessions 2016-2017 to 2019-2020 and shall become Member of the Council for the Session 2016-2017:

Delhi	::	Mr Pradeep Chaturvedi
Karnataka	::	Dr M Chowde Gowda
Maharashtra	::	Mr M B Dagaonkar
Odisha	::	Dr Nutan Kumar Das
Tamilnadu	::	Mr T M Gunaraja
Telangana	::	Mr G Sudhakar
Uttar Pradesh	::	Mr V B Singh

Further, one Corporate Member each from the following State Centre seat for the Session 2016-2017 to 2019-2020 shall become members of the Council on their election to the Council for its Sessions 2016-2017:

Andhra Pradesh

Gujarat

The Corporate Members elected to the Council from the following State Centres shall continue as Members of the Council for the Session 2016-2017 :

Elected for the Sessions 2013-2014 to 2016-2017:

Kerala :: Dr M P Sukumaran Nair

Elected for the Sessions 2014-2015 to 2017-2018:

Bihar :: Dr Arun Kumar Shrivastava

Jharkhand :: Mr A K Saxena

Madhya Pradesh :: Mr P P Agarwal

Rajasthan :: Dr S K Calla

Elected for the Sessions 2015-2016 to 2018-2019

Haryana :: Mr K C Sethi

Punjab and Chandigarh :: Mr A S Bakshi

The vacancy created due to sad demise of Mr Archan Kusum Majumdar, an elected member to the Council from the West Bengal State Centre for the sessions 2016-2017 to 2019-2020, shall be filled up in due course.

(3) Under provisions of Bye-Law 4(a)(iv)

The following elected members from 15 Divisional seats for the Sessions 2016-2017 to 2019-2020 shall become members of the Council for the Session 2016-2017 :

Aerospace (1)	::	Prof R Manickavasagam
Agricultural (1)	::	Mr D V Nagabhushan
Architectural (1)	::	Mr H K Mittal
Chemical (2)	::	1. Dr M P Sukumaran Nair 2. Mr N B Vasoya
Civil (5)	::	1. Mr Sisir Kumar Banerjee 2. Mr Parminder Singh Bhogal 3. Mr Hemant Onkarrao Thakare 4. Mr O P Saxena 5. Mr Narendra Singh
Computer (2)	::	1. Mr Bharat Shamjibhai Patel 2. Mr K Rajanikanth
Electrical (4)	::	1. Mr Himansu Bikas Goswami 2. Mr Mahendra Ratanlal Kothari 3. Mr P Rajamani 4. Mr R R Tanwar
Electronics & Telecommunication (4)	::	1. Dr T S Kamal 2. Dr (Ms) Gunnu Padmavathi 3. Mr Baddaru Brahma Reddy 4. Mr S C Rudra
Environmental (1)	::	Mr M Velan
Marine (1)	::	Dr K Gopalakrishnan

Mechanical (5)	::	1. Dr Swapan Bhaumik 2. Dr Wooday P Krishna 3. Mr Enti Ranga Reddy 4. Mr Jagroop Singh 5. Dr K Venkatasubbaiah
Metallurgical & Materials (1)	::	Mr Kishore Kumar Mehrotra
Mining (1)	::	Mr D V Pichamuthu
Production (1)	::	Dr Deb Kumar Tripathi
Textile (1)	::	Ms G Thilagavathi

(4) Under provisions of Bye-Law 4(b)(i)

By virtue of being elected as Chairmen of the following State Centres for the Sessions 2016-2017 and 2017-2018 and installed at the Annual General Meeting of the respective State Centres, the following persons shall become members of the Council for its Session 2016-2017:

Assam	::	Dr Aswini Kumar Baruwa
Bihar	::	Mr Ashok Kumar Sinha
Chhattisgarh	::	Mr Jagdish Prasad Saboo
Delhi	::	Mr Devendra Gill
Gujarat	::	Mr Sandeep B Vasava
Jharkhand	::	Mr Sanjay Sen
Karnataka	::	Prof (Dr) N Chikkanna
Kerala	::	Mr N Rajkumar
Maharashtra	::	Mr V S Ghogare
Orissa	::	Dr Pravat Kumar Parhi
Rajasthan	::	Mr Praveen Jain
Tamilnadu	::	Dr G Ranganath
Telangana	::	Dr Seeram Satyanarayana
Uttarakhand	::	Mr Ranveer Singh Chauhan
Uttar Pradesh	::	Prof (Dr) Bharat Raj Singh

Further, Chairmen of Andhra Pradesh State Centre, Jammu & Kashmir State Centre and West Bengal State Centre for its Sessions 2016-2017 and 2017-2018 shall become member of the Council for the Session 2016-2017 on their taking office at the Annual General Meeting of the said State Centre.

(5) Under provisions of Bye-Law 4(b)(i)

By virtue of being elected as Chairmen of the following State Centres for the Sessions 2015-2016 and 2016-2017, following persons shall continue as members of the Council for its Session 2016-2017:

Haryana	::	Mr T P Singh
Himachal Pradesh	::	Mr D K Kashyap
Madhya Pradesh	::	Mr R C Shrivastava
Punjab & Chandigarh	::	Mr Parminder Singh Bhogal

(6) Under provisions of Bye-Law 4(b)(ii)

By virtue of being elected as Chairmen of the following Local Centres for the Sessions 2016-2017 and 2017-2018 and installed at the Annual General Meeting of the respective Local Centres, the following persons shall become members of the Council for its Session 2016-2017 :

Belapur	::	Mr Jaswant Navnital Mistry
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Coimbatore	::	Dr S Thangavelu
Durgapur	::	Mr Raj Kumar Roy
Ghaziabad	::	Dr (Prof) Hari Shankar Sharma
Kochi	::	Mr N Paul George
Ludhiana	::	Brig Mastinder Singh
Madurai	::	Mr K Vijaya Kumar
Mysore	::	Mr M Chinnaswamy
Nagpur	::	Dr Dilip Prabhakar Mase
Neyveli	::	Mr P Selvakumar
Pune	::	Dr G S Mundada
South Gujarat	::	Mr P Hirabhai Tandel
Tiruchirapalli	::	Mr R Selvaraj
Vadodara	::	Mr Ashitkumar J Shah

(7) Under provisions of Bye-Law 4(b)(ii)

By virtue of being elected as Chairmen of the following Local Centres for the Sessions 2015-2016 and 2016-2017, the following persons shall continue as member of the Council for its Session 2016-2017 :

Nashik	::	Mr M M Kothari
Visakhapatnam	::	Dr (Ms) Gunnu Padmavathi

(8) Under provisions of Bye-Law 4(c)

Following outstanding engineering personalities shall become members of the Council for its Session 2016-2017 as recommended by the Committee of Five Members and approved by the Council:

- Mr Suneel Grover, FIE
Chief Engineer (P&M), H P S E B Ltd, Shimla, Himachal Pradesh
- Mr M K Jadav, FIE
Secretary (Water Resources), Narmada Water Resources, Water Supply and Kalpsar Department, Government of Gujarat, Gandhinagar, Gujarat
- Mr A K Mitra, FIE
Chairman, Technical Advisory Committee, Water Resources Department, Assam Secretariat Dispur, Guwahati, Assam
- Dr D N Reddy, FIE
Director, Engineering Staff College of India, Hyderabad, Telangana

(9) Under provisions of Bye-Laws 12(a), 12(b) & 13

The Council shall co-opt appropriate corporate members as Council Members for the Session 2016-17.

ITEM 4 To appoint Auditors for the year 2016-2017 and to fix their remuneration

Mr Kishore Kumar, FIE proposed that M/s Ray & Ray, Chartered Accountants be appointed as Auditors of The Institution of Engineers (India) for the year 2016-2017 on a remuneration of Rs.5,00,000/-. Mr V N Shinde, MIE seconded the proposal.

It was Resolved that M/s Ray & Ray, Chartered Accountants, be appointed as Auditors of The Institution of Engineers (India) for the year 2016-2017 on a remuneration of Rs.5,00,000/- only.

The meeting then concluded with a vote of thanks to the Chair followed by the National Anthem at 1600 hrs.

The reports on the technical activities held under the auspices of various State/Local Centres of the Institution during the year 2016-2017 have been circulated through these pages from time to time. The abridged versions of the Institution's Balance Sheet as at 31st March, 2017 along with the Auditor's Report to the Corporate Members of IEI are given hereunder. The detailed text of the above and also the Annual Report of the Council are available on demand at all State/Local Centres/Fora of IEI including the Overseas Chapters and IEI Headquarters.

ABRIDGED BALANCE SHEET AS AT 31st MARCH 2017

[Figures in ₹]			
31.03.2016			31.03.2017
	SOURCES OF FUND		
889,731,718	Permanent Reserve	941,031,878	
323,986,213	Capital Reserve	337,907,554	
23,267,976	Revenue Reserve	23,267,976	
	Surplus from Income and		
887,561,443	Expenditure Account	1,027,230,305	
365,717,354	Earmarked Fund	318,468,003	
2,490,264,704			2,647,905,716
	APPLICATION OF FUND		
	Fixed Assets		
646,487,020	Gross Block	715,465,605	
182,650,444	Less : Depreciation	200,269,879	
463,836,576	Net Block		515,195,726
889,731,718	Investment of P R Fund	941,031,878	
479,392,106	Other Investments	939,193,967	
1,369,123,824			1,880,225,845
	Current Assets, Loans	564,352,195	
	and Advances		
255,947,411	Less : Current Liabilities	311,868,050	
657,304,304	Net Current Assets/Liabilities		252,484,145
2,490,264,704			2,647,905,716

ABRIDGED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2017

[Figures in ₹]			
31.03.2016		31.03.2017	
R&D	Education	R&D	Total
53,291,019	13,322,755	51,617,520	12,904,380
241,936	60,484	193,648	48,412
	221,859,160		238,574,298
285,299	578,201	372,023	716,526
129,697,092	36,431,601	129,124,606	37,739,816
53,999,931	13,012,815	45,835,788	11,775,803
67,375,224	1,961,611	52,345,873	2,425,589
37,328,539		34,929,989	
2,584,694	12,614,656	6,774,454	16,739,085
344,803,734	299,841,283	321,193,901	320,923,909
	644,645,017		642,117,810
	644,645,017		642,117,810
	EXPENDITURE		
153,754,035	43,147,650	201,932,746	55,680,323
3,965,698	2,036,201	4,940,872	2,105,267
	50,017,682		48,527,843
2,166,559		1,467,423	1,467,423
65,138,211	2,267,426	58,717,779	1,724,377
1,399,885		4,154,846	4,154,846
10,698,669	3,808,276	10,896,100	4,071,029
6,189,996	5,512,919	6,251,146	5,324,386
5,956,785	3,695,192	3,253,419	2,600,847
2,441,422	1,546,934	3,412,329	887,714
1,169,545		20,176,200	-
1,480,909	662,047	1,141,315	977,441
280,197	70,049	331,080	82,770
31,008,032	10,885,210	29,738,227	10,733,126
11,366,352	197,842	10,528,225	184,002
16,557,980	4,139,495	11,486,544	2,871,636
4,530,027	2,185,606	3,316,777	2,143,082
3,999,142	999,786	3,949,350	987,337
1,963,166	490,791	1,498,882	374,720
1,724,996	431,249	2,323,640	580,910
9,076,719	3,916,437	5,227,200	2,402,024
1,680,902	71,396	2,272,950	1,032,748
5,175,000		2,200,000	
18,270,582		18,777,087	
		725,469	-
		861,994	-
403,315	6,888	53,121	8,844
360,398,124	136,089,076	409,634,721	143,300,426
			552,935,147
	(2,967,014)		(50,486,199)
493,520,186			502,448,948
644,645,017			642,117,810
493,520,186			502,448,948
151,124,831			139,668,862
736,436,612			887,561,443
887,561,443			1,027,230,305

INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA)

1. Report on the Financial Statements

We have audited the accompanying financial statements of The Institution of Engineers (India), ("the Institution"), which comprise of the Balance Sheet as at March 31st, 2017, signed by us under reference to this report and the related Income and Expenditure Account and the Cash Flow Statement for the year then ended and a summary of significant accounting policies and other explanatory information, in which have been incorporated the returns/accounts received from the various State Centres and Local Centres of the Institution for the year ended 31st March, 2017 as audited by other auditors and in some cases also for earlier years, and which have been relied upon by us, as mentioned in Note 6.1 and 6.2 in Schedule 13 except as indicated in paragraph 4 below.

2. Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Institution in accordance with the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and generally accepted accounting practices. This responsibility also includes maintenance of adequate accounting records and safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies, making judgements and estimates that are reasonable and prudent, and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Institution's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained and the audit evidence obtained by the other centre auditors' in terms of their reports referred to in sub- paragraph (a) of the Other Matters paragraph below, is sufficient and appropriate to provide a basis for our qualified audit opinion on the financial statements.

4. Basis of Qualified Opinion

Our opinion is qualified in respect of the following matters and also in respect of observations of other auditors of the various centres upon whose report we have placed reliance:

- Returns/accounts of four Centres, as mentioned in Note 6.1 of Schedule 13 have not been incorporated in these accounts, as these were either not received within the cut-off date for submission of accounts or were not considered acceptable by the management of the Institution. Consequently, in cases of these Centres, the figures relating to the income and expenditure for the period as mentioned in Note 6.1 and 6.3 of Schedule 13 and the entries relating to the assets and liabilities as at 31st March, 2017, the extent of which in both the cases are not ascertainable at this stage, have not been incorporated in the financial statements of the Institution. It has

not been possible for us, under the circumstances, to ascertain the extent of the impact of the above on the Institution's results for the year and on its net assets at the year-end.

- b) Income tax has not been deducted at source as per the provision of Chapter XVII of the Income Tax Act, 1961 in respect of Ludhiana Local Centre, the amount of which has not been reported by the Centre auditors. TDS return not filed in case of Bihar State Centre despite TDS being deducted and deposited timely.
- c) Professional tax on payment of salary to employees not deducted for Nasik Local Centre.
- d) Note no 25 of Schedule 12 regarding fund misappropriation at Tiruchirapalli Local Centre.
- e) Note 1.10 in Schedule 13 regarding accounting of certain income on cash basis, Note 1.11 in Schedule 13 regarding accounting of certain expense on cash basis, Note 1.13 in Schedule 13 regarding coverage of certain funds by investment.

5. Qualified Opinion

In our opinion and to the best of our information and according to the explanation given to us, except for the possible effects of the matters described in the Basis for Qualified Opinion paragraph whose effect is not quantifiable, the financial statements give the information in the manner so required and give a true and fair view in conformity with the Accounting Standards generally accepted in India;

5.1 In the case of the Balance Sheet, of the state of affairs of the Institution as at 31st March, 2017;

5.2 In the case of the Income and Expenditure Account, of the surplus for the year ended on that date; and

5.3 In the case of the Cash Flow statement, of the cash flows for the year ended on that date.

6. Other Matters

- a) We did not audit the financial statements of 111 centres included in the financial statements of the Institution whose financial statements reflect total assets of Rs. 98,60,00,389/- as at 31st March, 2017 and total revenues of Rs 13,43,14,906/- for the year ended on that date, as considered in the financial statements. The financial statements / information of these centres have been audited by the other auditors whose reports have been furnished to us, and our opinion in so far as it relates to the amounts and disclosures included in respect of these centres, is based solely on the report of such centre auditors. Attention is also drawn to the following matters;
 - b) In case of Asansol, Dhandbad, Ghaziabad and Vadodara local Centres and those of, Tamil Nadu, Uttar Pradesh and Bihar State Centres lease deeds have expired. Lease deed of Bhilai Centre expired on 18th February, 2003 and the Centre had applied for renewal of the same. Building of Dhanbad Centre has been seized by Zila Parishad.
 - c) Note No 10 of Schedule 13 of the Notes to Accounts regarding non-availability of Income Tax exemption under section 35(1)(ii) of the Income Tax Act.
 - d) Note 11 of Schedule 13 of the notes to accounts regarding review by All India Council for Technical Education (AICTE) of the Section A & B examination of the 15 recognized engineering courses conducted by the Institution and a bar on fresh enrolment with effect from 1st June, 2013 which has been stayed by the Honourable Delhi High Court.
 - e) Report of other auditors of the various Centres who have reported, inter-alia, on certain matters is mentioned in Schedule 12.
- Our opinion is not modified in respect of these matters.

7. Report on Other Legal and Regulatory Requirements

This report does not contain a statement on the matters specified by the Companies (Auditor's Report) Order 2015 ('the Order') issued by the Central Government of India in terms of sub section (11) of section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution.

8. We further report that

1. Except for the effects of the matters disclosed in the Basis of Qualified Opinion paragraph herein above, we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;

2. Except for the effects of the matters disclosed in the Basis of Qualified Opinion paragraph herein above, in our opinion proper books of accounts as required by law have been kept by the Institution so far as appears from our examination of those books;
3. The Balance Sheet, the Statement of Income and Expenditure, and the Cash Flow Statement dealt with in this Report are in agreement with the books of account and with the returns received from the centres not visited by us.
4. Except for the effect of matters described in the Basis of Qualified Opinion paragraph herein above, in our opinion, the aforesaid financial statements comply with the Accounting Standards issued by the Institute of Chartered Accountants of India.
5. The reports on the accounts of the centres audited by the centre auditors have been sent to us and have been properly dealt with by us in preparing this report.
6. We further report that according to the information and explanation given to us:
 - i. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements – Refer Note 2 of Schedule 13 to the Financial Statements.
 - ii. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses;

For and on behalf of

RAY & RAY

Chartered Accountants

Firm Registration No. 301072E

K. K. Ghosh

Partner

Membership No. 59781

Kolkata

14th September, 2017

ANNEXURE TO AUDITORS REPORT REFERRED TO IN PARAGRAPH 6 OF OUR REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA) ON THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31-03-2017

SCHEDULE-12

1. AGRA LOCAL CENTRE:

Rent agreement on plain paper.

2. ASANSOL LOCAL CENTRE:

Lease of land from SAIL ISP has expired and not renewed.

3. ASSAM STATE CENTRE:

Fixed asset register is under updation.

4. AURANGABAD LOCAL CENTRE:

There is a contingent liability in respect of construction of building but the amount has not been ascertained.

5. BELAGAVI LOCAL CENTRE:

Fixed deposit of Rs. 20,000/- of Indian Overseas Bank not produced for verification.

6. BAREILLY LOCAL CENTRE:

Fixed deposit certificates not physically verified.

7. BHILAI LOCAL CENTRE:

Lease deed expired on 18/02/2003. The lease was taken from SAIL Bhilai. Renewal pending.

No fixed asset register maintained.

8. BIHAR STATE CENTRE:

Application for renewal of lease deed filed with appropriate authority and is in process.

No TDS return filed though TDS deducted and deposited timely.

No provision made during the year for any expenses/income. Account will be adjusted at the time of payment/receipt.

9. DELHI STATE CENTRE:

In fixed assets register assets purchased before 01/04/1999 does not disclose cost of individual assets.

10. DHANBAD LOCAL CENTRE:

Building of the Centre was sealed by the Dhanbad Zila Parishad based on the order of the Jharkhand High Court. The Centre is contesting the order for reopening of the office building.

A suit has been filed by the Dhanbad Zila Parishad against which liability has not been ascertained.

The account with Allahabad bank has been inoperative for some time.

Lease deed expired.

11. GHAZIABAD LOCAL CENTRE:

Lease deed has expired on 31st July, 2015.

12. JABALPUR LOCAL CENTRE:

Fixed asset register is very old and is in torn out condition and a new register is being prepared.

Old advances not yet adjusted or recovered and no provision made for the irrecoverable advances.

In the case instituted by Mr. Kailash Sen before presiding officer Labour Court the Institute has raised preliminary objections but an ex parte order was issued on 11.01.2016. Against this Institute has filed an application on 26.02.2016 for setting aside the order. The order was set aside and case adjourned for further proceedings. Case is under process and amount of liability not yet ascertained.

Balances of some advances and security deposits are subject to confirmation/reconciliation from respective parties.

During the year an amount of Rs 700 is written off in the books in respect of obsolete inventory items and shown under miscellaneous expenses.

13. JODHPUR LOCAL CENTRE:

In respect of Jodhpur Local Centre there was a contingent liability amounting to Rs. 843,284/- for land and building tax against which Rs. 72,650 /-had been deposited by the Institution. This land and building case has been settled but no document received from Land and Building Tax Department till date. A letter from land and building tax cell of Small saving directorate dated 08/06/2007 was written to local body to dispose off the case and refund the money to the Institution. After that nothing has been heard from the local body despite being in regular contact with them.

14. JAMSHEDPUR LOCAL CENTRE:

Title deed not yet made since lease to TISCO not yet settled by State Government.

15. KANPUR LOCAL CENTRE:

Loans & Advances include Rs.245,000/- by fraudulent encashment of Fixed Deposit Receipts and withdrawal of cash from a savings bank Account during the years 2000-01 and 2001-02 for which litigation is pending. Rs.65,527/- has been written off during the year 2010-11 vide management decision in their meeting dated 20/02/2011.

16. KARNATAKA STATE CENTRE:

Suits are filed against the centre for which the amount is not ascertainable.

Fixed asset register is under completion and updation.

Delay in remittance of TDS.

17. KERALA STATE CENTRE:

In case of fixed deposits an amount of Rs.20801/- has been noted as difference between maturity amount and reinvested amount which has been shown as TDS on fixed deposit.

A demand of Rs.322,38,652/- has been raised for lease rent against which a case was filed and subsequently a stay order was issued vide no WP© No 18931/2016(N) dated 29th August 2016.

18. LUDHIANA LOCAL CENTRE:

Mr. Hardeep Singh, peon cum chowkidar resigned w.e.f 19/11/2007 but there was a dispute regarding his resignation and arrears. The case is still pending in Court. Further an amount of Rs. 2,000/- is still recoverable from him out of Rs 5,000/- given to him as advance.

Default in compliance of provisions of TDS. The Institute has paid labour charges to building contractor during the year under audit but no TDS deducted u/s 194C.

No proper evidence/supporting vouchers maintained in case of expenditure incurred under the head Examination.

19. MANGALORE LOCAL CENTRE:

The property has been surrendered to the lessor. The new Mangalore Port Trust, the owner of the land has appropriated the value of the building towards the arrears of land rent claimed by NMPT retrospectively from 01/10/1991 to 31/08/2011. The centre has handed over the lease land back to NMPT on 13/08/2010 as per the Charge list dated 13/08/2010 confirmed by the Estate Officer. The centre has moved the Court of law against the demand raised by NMPT by an order under sub section (1) and (2A) of Section 7 of the Public Premises (Eviction of Unauthorised Occupants) Act 1971 dated 06/04/2016 for arrears of rent amounting to Rs.18,94,056/-.

20. MYSORE LOCAL CENTRE:

A suit has been filed in High Court by an ex-employee, the quantum for which is not ascertainable.

21. NASIK LOCAL CENTRE:

Professional tax on payment of salary to employees not deducted.

During FY 2011-12 Centre has received demand notice from Nasik Municipal Corporation (NMC) in respect of municipal taxes and of others of Rs 298,281/- for last 5 years. As it was not prefixed and not prior intimated the same has been claimed as expenditure and provision of payment made, the part payment in respect of this Rs 100,000/-has been paid in 2014-15 and balance still payable. In 2014-15 also centre has received NMC house rent tax payable of Rs.298,791/- and same also shown as payable to NMC.

In current financial year centre has done continuous follow up with NMC for waiver of NMC Charges which NMC has approved but not issued any letter.

Right now centre has Rs.439,409/- balance as advance with NMC.

22. PUNE LOCAL CENTRE:

Fixed asset register to be updated to tally amount with general ledger.

23. RAJASTHAN STATE CENTRE:

It is required to write off non material balances shown in the Balance Sheet so that the Balance Sheet depicts a much better picture of the state of affairs.

24. TAMILNADU STATE CENTRE:

Lease deed expired.

25. TIRUCHIRAPALLI LOCAL CENTRE:

In the Balance Sheet for YE 31.03.2017 the capital fund has been increased by Rs. 8,99,183/- with the wording "amount due from Sreekannaiyan" and in the assets side of the balance Sheet the same amount has been mentioned as amount due from Sreekannaiyan.

These entries have been made in the books of the centre consequent to their findings on misappropriation of funds by Sreekannaiyan a clerical staff now working in IEI Hosur Local Centre during the years ended 31/03/2012, 31/03/2013, 31/03/2014.

26. UTTAR PRADESH STATE CENTRE:

In respect of the Uttar Pradesh State Centre liability has not been provided for House and Water Tax dues for FY 1993 to 2017 amounting to Rs.344,802/- and no further response received from Nagar Nigam.

Some other cases are pending since long are as follows:

- M/s D N Brothers for labour charges since 1976.
- M/S Ramjas Ramdayal for material supply since 1976
- Institution vs Mahapalika for review of assessment since 1992.

Lease deed was valid till 15/06/2014. Process of renewal is in progress with department.

27. VADODARA LOCAL CENTRE:

Lease deed expired in FY 2013. Fresh application made for renewal of lease deed but confirmation still pending.

IEI DIARY



Aerospace Engineering Division

All India Seminar on **“Smart Materials and their Applications to Aerospace, Mechanical and Civil Structures”**

Salem, December 12-13, 2017

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

Thirty-second National Convention of Aerospace Engineers on **“Advances in Aerospace Sciences and Technologies”**

Ranchi, October 27-28, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieiindia.org]

Agricultural Engineering Division

All India Seminar on **“High-tech Cultivation of NUTRI & Cash Crops in Himalayan Region”**

Dehradun, December 2-3, 2017

The Honorary Secretary, IEI, Uttarakhand State Centre, PO: Clement Town, Delhi - Saharanpur Road, Near ISBT, Dehradun 248002 [TeleFax: (0135) 2641190; e-mail: uttarakhandsc@ieiindia.org]

Thirty-first National Convention of Agricultural Engineers on **“Engineering Interventions in Doubling the Income of Small and Marginal Farmers by 2022”**

New Delhi, February 2-3, 2018

The Honorary Secretary, IEI, Delhi State Centre, Engineers Bhawan, Bahadur Shah Zafar Marg, New Delhi 110002 [☎: (011) 23379052/23379948; Fax: (011) 23370489; e-mail: delhisc@ieiindia.org]

Architectural Engineering Division

Thirty-third National Convention of Architectural Engineers on **“Architectural Engineering Aspect for Building Envelopes”**

Hyderabad, November 10-11, 2017

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad, Telangana 500004 [☎: (040) 23314969; e-mail: telanganasc@ieiindia.org]

All India Workshop on **“Training Group Leaders in Tribal Housing Technologies”**

Kozhikode, November 20-25, 2017

The Honorary Secretary, IEI, Kozhikode Local Centre, 'AKASH', First Floor, Cherootty Nagar Housing Colony, K P Chandran Road, Puthiyara PO, Kozhikode 673004 [☎: (0495) 2770614; e-mail: kozhikodelc@ieiindia.org]

All India Workshop on **“Advanced Computer Visualization Tools for Architectural Engineering”**

Salem, January 19-20, 2018

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan

Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

Civil Engineering Division

All India Seminar on **“Sustainable Materials and Technology for Better Future”**

Rourkela, November 11-12, 2017

The Honorary Secretary, IEI, Rourkela Local Centre, National Institute of Technology Campus, Rourkela 769 008 [Fax: (0661) 247 2709; e-mail: rourkelalc@ieiindia.org]

All India Workshop on **“Mass Housing and Rapid Construction”**

Roorkee, November 14-15, 2017

The Honorary Secretary, IEI, Roorkee Local Centre, IIT Campus, Roorkee 247667, Tel: (01332) 284 416, TeleFax: (01332) 272 589 [e-mail: roorkeelc@ieiindia.org]

One Day Seminar on **“Modern Surveying Techniques”**

Salem, December 16, 2017

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

Workshop on **“Disaster Mitigation Measures Adopting National Building Code”**

Salem, December 20, 2017

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

One Day Seminar on **“Cost Effective and Eco-friendly Construction Technology”**

Salem, January 10, 2018

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

Workshop on **“National Building Code of India - 2016”**

Salem, January 30-31, 2018

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemmlc@ieiindia.org]

All India Seminar on **“Concrete and Steel Structures – Care for their Health and Longevity”**

Bokaro, August 25-26, 2018

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhavan, Sector 5A, Bokaro Steel City 827006 [☎: (06542) 267227 / 288972; e-mail: bokarolc@ieiindia.org]

Thirty-fourth National Convention of Civil Engineers, on **“Innovative Trends in Civil Engineering for Sustainable Development”**

Pune, September 28-29, 2018

The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieiindia.org]

Computer Engineering Division

One Day Workshop on **“Foundation of Machine Learning Algorithm”**

Solapur, November 19, 2017

The Honorary Secretary, IEI, Solapur Local Centre, Vastu Vaibhav, 3 North Kasaba, 4th Floor, Near Laxmi Bank, Shivaji Chowk, Solapur 413001 [☎: 0217-2727707; e-mail: solapurlc@ieiindia.org]

All India Seminar on **“Green Computing, Intelligent and Renewable Energy”**

Kanchipuram, January 08-09, 2018

The Honorary Secretary, IEI, Kanchipuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchipuramlc@ieiindia.org]

All India Seminar on **“Impact of Data Analysis on Business of Future through IoT & Social Media”**

Ahmedabad, January 19-20, 2018

The Honorary Secretary, IEI Gujarat State Centre, Bhaikaka Bhavan, Law College Road, Ahmedabad 380006 [☎: (079) 26400811; Fax: (079) 26561825; e-mail: gujaratssc@ieiindia.org]

Thirty-second National Convention of Computer Engineers on **“Application of IoT in Rural Development”**

Ahmedabad, February 24-25, 2018

The Honorary Secretary, IEI Gujarat State Centre, Bhaikaka Bhavan, Law College Road, Ahmedabad 380006 [☎: (079) 26400811; Fax: (079) 26561825; e-mail: gujaratssc@ieiindia.org]

Thirty-third National Convention of Computer Engineers on **“Computer Cognitions and Intelligent Systems”**

Ghaziabad, February 15-16, 2019

The Honorary Secretary, IEI, Ghaziabad Local Centre, 15 Shopping Complex, ALTT Centre, Rajnagar, Ghaziabad 201002 [☎: 0120-2728699/2702673; e-mail: ghaziabadlc@ieiindia.org]

Electrical Engineering Division

Thirty-third National Convention of Electrical Engineers on **“Hybrid AC/DC Power Systems for Effective Utilization of Renewable Energy”**

Tiruchirapalli, November 24-25, 2017

The Honorary Secretary, IEI, Tiruchirapalli Local Centre, BHEL Main Office Road, Tiruchirapalli 620014 [☎: (0431) 255 4285; Fax: (0431) 252 0383 / 252 0775; e-mail: tiruchirapallilc@ieiindia.org]

All India Seminar on **“Energy, Power and Electrical Engineering”**

Guwahati, November 24-25, 2017

The Honorary Secretary, IEI, Assam State Centre, Panbazar Overbridge, East Lane, Guwahati 781001 [☎: (0361) 2548742; Fax: (0361) 2630368; e-mail: assamsc@ieiindia.org]



One Day Seminar on “Integration and Challenges on Renewable Energy Systems”

Chennai, December 27, 2017

The Honorary Secretary, IEI Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramlc@ieindia.org]

All India Seminar on “Recent Trends in Renewable Energy”

Chennai, January 03-04, 2018

The Honorary Secretary, IEI Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramlc@ieindia.org]

One Day Workshop on “An Overview of Substation Control System Engineering”

Chennai, January 24, 2018

The Honorary Secretary, IEI Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramlc@ieindia.org]

All India Seminar on “Recent Trends in Renewable Energy Application and Research”

Ahmedabad, February 16-17, 2018

The Honorary Secretary, IEI Gujarat State Centre, Bhaikaka Bhavan, Law College Road, Ahmedabad 380006 [☎: (079) 26400811; Fax: (079) 26561825; e-mail: gujaratssc@ieindia.org]

All India Seminar on “Major Advances and Sustainable Developments in Renewable Energy Sources and their Applications”

Jamshedpur, February 23-24, 2018

The Honorary Secretary, IEI, Jamshedpur Local Centre, Pipe Line Road, Sakchi (Between Red Cross Society and TCE Building), Jamshedpur 831001 [☎: (0657) 2234316; Fax: (0657) 2230159; e-mail: jamshedpurlc@ieindia.org]

“National Power Engineering Conference – 2018”

Madurai, March 09-10, 2018

The Honorary Secretary, IEI, Madurai Local Centre, T M Jambulingam Bhavan, 1 Vivekananda Nagar, 100 Feet Road, Surveyor Colony, K Pudur, Madurai 625 007 [☎: (0452) 256 1783; e-mail: madurailc@ieindia.org]

International Conference on “Recent Developments in Cleaner and Safer Nuclear Power Generation”, Hyderabad, May 24-26, 2018

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad, Telangana 500004 [☎: (040) 23314969; e-mail: telanganasc@ieindia.org]

Electronics & Telecom. Engineering Division

One Day Seminar on “Development of Polygate n-MOS Technology”

Pilani, November 07, 2017

The Honorary Secretary, IEI, Pilani Local Centre, C Block, B K Birla Institute of Engineering and Technology Campus, CEERI Road, Pilani 333031

One Day Seminar on “MIMO Techniques for Sensing Cardiopulmonary Activity”

Salem, November 15, 2017

The Honorary Secretary, IEI, Salem Local Centre,

3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemc@ieindia.org]

Thirty-third National Convention of Electronics and Telecommunication Engineers on “Recent Advances in IoT”

Hyderabad, November 29-30, 2017

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad, Telangana 500004 [☎: (040) 23314969; e-mail: telanganasc@ieindia.org]

One Day Seminar on “Nanotechnology in Medical Applications”

Salem, December 09, 2017

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemc@ieindia.org]

One Day Seminar on “5-G Technologies & Future Scenario”

New Delhi, December 16, 2017

The Honorary Secretary, IEI, Delhi State Centre, Engineers Bhawan, Bahadur Shah Zafar Marg, New Delhi 110002 [☎: (011) 23379052/23379948; Fax: (011) 23370489; e-mail: delhisc@ieindia.org]

Environmental Engineering Division

One day Workshop on “HVAC & R Industry”

Ranchi, November 25, 2017

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

All India Seminar on “Water Conservation through 3R's – Reduce, Recycle and Reuse”

Bokaro, December 02-03, 2017

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhavan, Sector 5A, Bokaro Steel City 827006 [☎: (06542) 267227 / 288972; e-mail: bokarolc@ieindia.org]

All India Seminar on “Harnessing Smart Urban and Rural Water Supply Networks through Cyber Physical Systems”

Mangalore, January 08-09, 2018

The Honorary Secretary, IEI, Mangalore Local Centre, 2nd floor, Opal Complex, Opp Bejai Church, Bejai, Mangalore 575 004 [☎: (0824) 2400112; email: mangalorelc@ieindia.org]

One Day Workshop on “Project Management Cost & Time Overrun”

Ranchi, January 14, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

All India Seminar on “Water Quality Management Strategies Determination for Streams in a River Basin”

Kolar, January 23-24, 2018

The Honorary Secretary, IEI, Kolar Local Centre, Dr T Thimmaiah Institute of Technology Premises,

Oorgaum, Kolar Gold Fields 563120 [e-mail: kolarlc@ieindia.org]

One Day Workshop on “Environmental Management and Sustainable Development”

Thanjavur, January 24, 2018

The Honorary Secretary, IEI, Thanjavur Local Centre, Periyar Maniammal University, Periyar Nagar, Vallam, Thanjavur 613403 [e-mail: thanjavurc@ieindia.org]

All India Seminar on “Energy Efficiency in HVAC & R”

Ranchi, February 10-11, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

One Day Seminar on “Sewage Treatment and Disposal”

Thanjavur, February 23, 2018

The Honorary Secretary, IEI, Thanjavur Local Centre, Periyar Maniammal University, Periyar Nagar, Vallam, Thanjavur 613403 [e-mail: thanjavurc@ieindia.org]

Thirty-fourth National Convention of Environmental Engineers on “Environmental Pollution and Climate Change”

New Delhi, August 10-11, 2018

The Honorary Secretary, IEI, Delhi State Centre, Engineers Bhawan, Bahadur Shah Zafar Marg, New Delhi 110002 [☎: (011) 23379052/23379948; Fax: (011) 23370489; e-mail: delhisc@ieindia.org]

Marine Engineering Division

All India Seminar on “Natural Gas in Inland and Coastal Shipping”

Bhubaneswar, November 18-19, 2017

The Honorary Secretary, IEI, Odisha State Centre, Sachivalaya Marg, Unit IV, Bhubaneswar 751001 [TeleFax: (0674) 2390630; e-mail: odishasc@ieindia.org]

Thirty-second National Convention of Marine Engineers on “Emerging Trends and Developments in Marine Technology”

Chennai, August 18-19, 2018

The Honorary Secretary, IEI, Tamilnadu State Centre, 19 Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: (044) 25360614/64998729; Fax: (044) 25369433; e-mail: tnscc@ieindia.org]

Mechanical Engineering Division

All India Seminar on “Energy Efficiency Intervention for Operational Cost Reduction in Manufacturing Industries”

Delhi, November 03-04, 2017

The Honorary Secretary, IEI, Delhi State Centre, Engineers Bhawan, Bahadur Shah Zafar Marg, New Delhi 110002 [☎: (011) 23379052/23379948; Fax: (011) 23370489; e-mail: delhisc@ieindia.org]

All India Seminar on “Sources of Planet Energy, Environmental & Disaster Science: Glacier Melting and it's Challenges”

Lucknow, December 09-10, 2017

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers Bhawan, River Bank Colony, Lucknow 226018 [TeleFax: (0522) 2625322; e-mail: upsc@ieindia.org]



International Conference on “Future Material Handling Prospects – Opportunities and Challenges”

Ranchi, January 27-28, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

All India Seminar on “Recent Development in Mechanical Engineering – Computational Heat Transfer, Fluid Flow and Energy Systems”

Thiruvananthapuram, July 14-15, 2018

The Honorary Secretary, IEI, Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakaunnu Palace, Thiruvananthapuram 695033 [☎: (0471) 2322991, 2322993; TeleFax: (0471) 2322992; e-mail: keralasc@ieindia.org]

Thirty-fourth National Convention of Mechanical Engineers on “Mechanical Engineering and Engineering Challenges for Manufacturing”

Delhi, September 01-02, 2018

The Honorary Secretary, IEI, Delhi State Centre, Engineers Bhawan, Bahadur Shah Zafar Marg, New Delhi 110002 [☎: (011) 23379052/23379948; Fax: (011) 23370489; e-mail: delhisc@ieindia.org]

Thirty-fifth National Convention of Mechanical Engineers, on “Exploring Trends and Developments in Automobile Engineering”

Hosur, September 13-14, 2019

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudepall, Near Adhiyamaan College of Engineering, Tamil Nadu, Hosur 635109 [e-mail: hosurc@ieindia.org]

Metallurgical & Materials Engg. Division

All India Seminar on “Mechanics, Design and Testing of Composites”

Madurai, January 04-05, 2018

The Honorary Secretary, IEI, Madurai Local Centre, T M Jambulingam Bhavan, 1 Vivekananda Nagar, 100 Feet Road, Surveyor Colony, K Pudur, Madurai 625 007 [☎: (0452) 256 1783; e-mail: madurailc@ieindia.org]

All India Seminar on “Advances in Metallurgy and Manufacturing Process”

Hyderabad, January 05-06, 2018

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad, Telangana 500004 [☎: (040) 23314969; e-mail: telanganasc@ieindia.org]

All India Workshop on “Additive Manufacturing: Materials and Process

Ranchi, January 12-13, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

Thirty-first National Convention of Metallurgical & Materials Engineers on “Role of Stakeholders in Development of Roadmap for Steel Vision”

Kolkata, January 19-20, 2018

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎:

(033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

International Conference of Metallurgical & Materials Engineering Division on “Synthesis, Characterization and Application of Nanomaterials [SCAN]”

Kolkata, November 01-03, 2018

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

Mining Engineering Division

All India Seminar on “Advancement in Mine Closure and Rehabilitation Techniques”

Ranchi, December 16-17, 2017

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

Twenty-ninth National Convention of Mining Engineers on ‘Sustainable Open Cast Mining at Small Mines’

Salem, February 22-23, 2018

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemc@ieindia.org]

Production Engineering Division

One Day Seminar on ‘Total Productive Management’

Pilani, October 16, 2017

The Honorary Secretary, IEI, Pilani Local Centre, C Block, B K Birla Institute of Engineering and Technology Campus, CEERI Road, Pilani 333031

All India Workshop on “Quality Improvement in Products and Processes: Principles, Methods and Applications”

Kolkata, October 27-28, 2017

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

All India Seminar on “Unconventional Machining and Modern Production Techniques”

Bhubaneswar, January 13-14, 2018

The Honorary Secretary, IEI, Odisha State Centre, Sachivalaya Marg, Unit IV, Bhubaneswar 751001 [TeleFax: (0674) 2390630; e-mail: odishasc@ieindia.org]

All India Seminar on “Challenges and Advances of Rapid Prototyping in Production Engineering”

Tiruchengode, February 02-03, 2018

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan, No.104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004, Tamilnadu [☎: (0427) 2332544; e-mail: salemc@ieindia.org]

All India Workshop on “Six Sigma Fundamentals and Applications”

Kolkata, March 16-17, 2018

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

Thirty-third National Convention of Production Engineers on “Advances in Manufacturing and Systems Engineering”

Bhubaneswar, May 19-20, 2018

The Honorary Secretary, IEI, Odisha State Centre, Sachivalaya Marg, Unit IV, Bhubaneswar 751001 [TeleFax: (0674) 2390630; e-mail: odishasc@ieindia.org]

Textile Engineering Division

Thirty-first National Convention of Textile Engineers on “Indian Textile Industries: Future Direction”

Hosur, February 17-18, 2018

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudepall, Near Adhiyamaan College of Engineering, Tamilnadu, Hosur 635109 [e-mail: hosurc@ieindia.org]

Interdisciplinary Coordination Committee

All India Seminar on ‘Advances in Engineering & Technology for Sustainable Development’

Pantnagar, November 25-26, 2017

The Honorary Secretary, IEI, Pantnagar Local Centre, 209A (Old Building), College of Technology, Pantnagar 263145 [☎: (05944) 235 582 / 233 457; Fax: (05944)235582 /233473; e-mail: pantnagarlc@ieindia.org]

All India Seminar on “Engineering Projects: Contracts, Funding and Legal Aspects”

Jabalpur, December 09-10, 2017

The Honorary Secretary, IEI, Jabalpur Local Centre, Visvesvaraya Marg, Civil Lines, Jabalpur 482 001 [TeleFax: (0761) 267 8929; Fax: (0761) 404 5625; e-mail: jabalpurc@ieindia.org]

One Day Workshop on “Communication and Personality Development for Engineers”

Ahmedabad, February 10, 2018

The Honorary Secretary, IEI Gujarat State Centre, Bhaikaka Bhavan, Law College Road, Ahmedabad 380006 [☎: (079) 26400811; Fax: (079) 26561825; e-mail: gujaratc@ieindia.org]

All India Seminar on “Making India Self Reliant – Emerging Technologies”

Ranchi, February 24-25, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Ranchi 834002 [☎: (0651) 2491344; web: ieijsc.org; e-mail: jharkhandsc@ieindia.org]

International Conference on “Emerging Technologies for Sustainable and Intelligent Technologies for HVAC & R Systems”

Kolkata, July 20-21, 2018

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

National Languages Promotional Committee

One Day Seminar on “The System of Running & Rectification of Defects of a Turbo Generator in Eastern India” (in Bengali)

Durgapur, January 15, 2018

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, ‘B’ Zone, Durgapur 713205, [Fax: (0343) 256 4770; e-mail: durgapurc@ieindia.org]



32nd INDIAN ENGINEERING CONGRESS

Chennai, December 21-23, 2017

Theme:

Innovation in Engineering : Competitive Strategy Perspective

Organized by: **The Institution of Engineers (India)**

Hosted by: **Tamilnadu State Centre**

Contact : Organising Secretary, 32nd Indian Engineering Congress, The Institution of Engineers (India), Tamilnadu State Centre
19 Swami Sivananda Salai, Chepauk, Chennai 600005, Tel: +91 94440 19091/ +91 72999 13060
Web: iec2017chennai.in; Email: tncs@ieindia.org/admin@iec2017chennai.in



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Superannuation from IEI

Mr Anindya Sundar Gupta, an employee of the Institution HQ will be superannuated from the services of IEI on November 30, 2017. He joined the Institution on July 1, 1985 and rendered his service to the Institution for a period of over 32 years.

IEI wishes Mr Anindya Sundar Gupta and his family a happy and healthy life in future.



IEI NEWS

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Editor : **Maj Gen S Bhattacharya, VSM (Retd)**

Associate Editor: Mr S Chaudhury

Special Contributors: Mr N Sengupta, Mr K Sen,
Dr S Ghosh, Mr T Chakraborty, Ms A Dutta, Mr P
Mukhopadhyay, Mr A Basu, Ms H Roy, Mr S Bagchi

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Telephones: 91-33-2223 8311/14/15/16; Facsimile: 91-33-2223 8345 Web: <http://www.ieindia.org>; E-mail: iei.technical@gmail.com