



IEI NEWS

November 2022

Emerging Technologies
& Seismic Concerns

3

Engineering 20
(E 20) Summit, Bali,
Indonesia 2022

4

Reports of
World Standards
Day

5

Reports of
World Habitat Day

8

Reports of
55th Engineers' Day

10

Reports of
Royal Charter Day

13

News-in-Brief

23

A CENTURY OF SERVICE TO THE NATION

Volume 29

Number 8

fib Days 2022

Indian Member Committee of Fédération internationale du béton (IMC-fib) of The Institution of Engineers (India) hosted "fib Days 2022" on 12 September 2022 at Kolkata. The event was hosted in hybrid mode, for facilitating international participation, with the objective of sharing the outcome of the fib Congress 2022, held in Oslo, Norway, with the engineering community of our country. The 'fib Days 2022' was hosted to bring to the participants the latest developments in Concrete Construction and Technology, as reflected in the major projects across the world during the last four years, presented during the 6th fib International Congress held at Oslo, Norway in June 2022.



The program was inaugurated by Prof Ajoy Kumar Ray, Former Director of IEST Shibpur, who also delivered the inaugural address. Dr Hemant O Thakare, President, IEI & Chairman, IMC-fib delivered the welcome address wherein he expressed thanks to the fib Secretariat for their support and participation. He spoke about the IMC-fib committee and its active role in preparing the National Report for the fib Congress 2022 in Oslo, Norway. He thankfully acknowledged the active role and involvement of the Committee towards hosting the fib Days

Contd. on page 2

From the President's Desk.....

The Hon'ble Prime Minister Narendra Modi on 08 November 2022 unveiled logo, theme and website of India's G20 presidency at Delhi. India will chair the G20 from December 2022. This is a momentous occasion as the G20 presidency offers India an opportunity to contribute to the global agenda. India is set to assume the presidency of the G20 from the current Chair Indonesia, Italy and Indonesia, along with India, are part of the G20 troika: past, present and incoming presidencies. The G20 Summit to be hosted next year holds promises of becoming one of the most prolific and high profile international gatherings ever hosted. The Group of 20 or G20 is one of the esoteric forum for international cooperation on the aspects of international economic and financial agenda. It brings together the major developed and developing economies of the world. Collectively, the member nations accounts for about 90 per cent of the global gross domestic product (GDP), 80 per cent of the world's economic output, two-thirds of global population and three-quarters of international trade.



With this backdrop, we would like to usher in and introduce the Engineering 20 (E20) conceptualized by The Institution of Engineers Indonesia (Persatuan Insinyur Indoneisa or "PII") in 2022 while they were hosting the G20. Engineering 20 was initiated as an engagement group of G20 that will, apart from rhetoric and image building exercises, serve as a platform for collaboration to produce tangible and real outcomes. E20 Platform was introduced to work hand in hand to solve our existential challenges facing human kind through meaningful technological collaborations with engineering at the core.

The current serious challenges such as climate change, disruption of production and supply chains, pandemic and wars have devastated the livelihood and survivability of billions of people. Engineers throughout the centuries played crucial roles in sustaining, improving and saving lives. From water sanitation to the production of vitamins, engineers were always on the reckoning. There has been a fundamental lack of leadership quality in engineers in the recent decades. This is the opportune moment for Leader Engineers to come forth to work together in this E20 platform to solve the real issues in the real world.

Contd. on page 7

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

1 November 2022

To

All Corporate Members of IEI

The 103rd Annual General Meeting of The Institution of Engineers (India) will be held at **Hotel Le Royal Méridien Chennai, 1 GST Road, St Thomas Mount, Chennai, Tamil Nadu, India, 600016** on **18 December 2022** at **1330 hrs.**

AGENDA

1. To confirm the Minutes of the 102nd Annual General Meeting held on 27 December 2021 at New Delhi, already circulated in March 2022 issue of IEI News, Vol. 28, No. 12.
2. To receive the Annual Report of the Council and the Audited Accounts of IEI for the year ended on 31 March 2022.
3. To receive the Report of the Council on election of the President and also the composition of the IEI Council for the Session 2022-2023.
4. To appoint the Auditors for the year 2022-2023 and to fix their remuneration.

Maj Gen M J S Syali, VSM (Retd)
Secretary and Director General

The e-edition is available at www.ieindia.org

Old Volume 72

IEI NEWS
November 2022

fib Days 2022

Contd. from page 1

2022 after a long gap. A Souvenir was released by the President, IEI, the Chief Guest, and the others on the dais, which apart from the abstracts of the papers presented, also included the National Report 2022 compiled and presented by IEI at Oslo in June 2022. The inaugural address was followed by a brief introduction to IMC-fib by Mr Sisir Kumar Banerjee, Past President, IEI & Co-Chairman, IMC-fib. Mr Banerjee spoke at length on the activities of fib, its long association with IEI and the role of IEI towards dissemination of the outcome of the fib Congress among the technical fraternity. While speaking on the occasion, Mr Amitabha Ghoshal, Council Member, IEI &



Member, IMC-fib mentioned that fib organizes the Congress every four years to reflect the advancements in concrete technology over this period and on the transfer of the findings from research to industry practice, by deliberating on the papers presented at the Congress. He mentioned that IMC-fib seizes this opportunity to recall the achievements in the Indian Construction Industry, by compiling the COUNTRY REPORT, containing details of projects that reflect the advancements in technology and construction practices over the past four years. He mentioned that IMC-fib prepared the current National Report on Concrete Structures in India with the active support of a team of high-level experts and the Members of the Civil Engineering Division Board of IEI. The latest report presented during the Oslo Congress held in June 2022, contains 37 such representative projects, highlighting the advancements in the Indian Construction Industry, which is the second-largest consumer of cement in the world. The report has earned wide acceptance and adulation from the Global Community-added Mr Ghoshal.

Dr Akio Kasuga, President, fib, and Dr David Fernandez Ordonez, Secretary General, fib were the Chief Guest and Guest of Honour respectively during the inaugural session of the program and joined the event virtually. Dr Kasuga spoke on fib Model Code 2020 & SAG (Special Activity Group) and explained fib's basic stance on sustainability. He mentioned that Structural concrete accounts for roughly 60% of the cement used in the world. This is responsible for 5% of the annual CO₂ emissions by mankind. The stakeholders involved in fib are the designers, suppliers, builders, and owners. All players are involved in the entire life cycle of a concrete structure. Dr Kasuga spoke on the new Special Activity Group (SAG), which was approved at the Technical Council in Oslo in June 2022, and aims to create a platform within the fib for a database of all CO₂ inventory data related to structural concrete. It was pointed out that manufacturing industries for Cement and reinforcing steel, the main materials used in structural concrete, are investing in research and restructuring to become carbon neutral. However, we as users, cannot wait until they achieve zero-carbon status. Hence, as a transition, we must implement the reduction of CO₂ emissions by using low-carbon technologies. While speaking on fib's endeavors in this direction, he informed that a Task Group has been set up for low-carbon concrete, whose main purpose is to bring together material and structural experts to provide up-to-date information and input to the platform. He also voiced his concern about the lack of data on CO₂ emissions during service for concrete structures and mentioned that fib will gather information on the relationship between durability and CO₂ emissions for lifetime management during the design process. Dr Kasuga brought out that the activities of the SAG are linked to the Model Code 2020, which aims at making structural concrete more sustainable. He concluded by saying that SAG is a long-term project that spans generations, but if we do not take action now, we will eventually be hit with a big payback.

The Guest of Honour, Dr David Fernandez Ordonez, Secretary General, fib provided a brief overview of fib- its structure, publications of fib in the form of The fib's Structural Concrete Journal, provision for Members to view and download fib Bulletin; the activities of fib like Symposia, Congress and Supported Events, and events of Young Members Group (YMG), and issues related to International Cooperation.

The Inaugural Session was also attended by the Executive Vice President, WFEO and National Member of Executive Council, WFEO, Past Presidents of IEI, President (Elect), Vice President, Council Members, Chairman and Honorary Secretary of West Bengal State Centre, IEI as well as the Secretary & Director General of the Institution. Eminent officials/engineers/ professionals/ researchers from abroad/countries having expertise in the field of Structural concrete also joined the program.

The Inaugural Session was followed by three technical sessions.

The Technical Session I was moderated by Mr Alok Bhowmick, Member, IMC-fib & Managing Director, B&S Engineering Consultants Pvt Ltd. Mr U K Rajeshirke, Member, IMC-fib & Managing Director, Spectrum Techno Consultants Pvt Ltd; Mr P Surya Prakash, Council Member, IEI & Member, IMC-fib, and Mr Sandeep Todankar, Principal Consultant (Design), Spectrum Techno Consultants Pvt Ltd presented an overview of the 6th fib International Congress 2022, highlighting the salient features. In this session, there was a virtual presentation on the topic 'Construction of Non-metallic Bridge using Zero-Cement Concrete' by Mr Hiroo Shinozaki, and Mr Taku Matsuda, from Sumitomo Mitsui Construction Co, Ltd, Japan.

The Technical Session II was moderated by Mr V N Heggade, Member, IMC-fib. The session included a couple of virtual presentations from Prof Johann Kollegger, Institute of Structural Engineering, TU Wien, Vienna, Austria on the topic 'Fast Erection of Deck Slabs for Steel-Concrete- Composite Bridges and Post-Tensioned Bridges' and Mr Eirik Wie Furunes, Team Leader Long Span Bridges, Norconsult AS, Bergen, Norway on the topic 'Trysfjord Bridge, Parametric Analysis and Modelling for Drawing less Construction of a Concrete Balanced Cantilever Bridge'. This session also included a presentation on the Project: Bridge over Hatania Doania, West Bengal, by Mr Alok Bhowmick and Mr Deepak Singla, Director, S P Singla Constructions Pvt Ltd. Dr Ajay Chourasia, CSIR-Central Building Research Institute, Roorkee, India joined the session virtually and presented his paper published in fib's Structural Concrete Journal, namely, 'Seismic performance assessment of the two-story precast reinforced concrete building.'

The Technical Session III was moderated by Mr M Nagraj, Chairman, Civil Engineering Division Board, IEI & Member, IMC-fib. The highlights of the session included the presentation of two projects from the National Report, namely, 'Nagpur Metro Reach 2 Double Decker Viaduct Project,' presented by Mr Amarsinh B Raut and Mr Sarbajit Roy Choudhury from AFCONS Infrastructure Limited and 'Narendra Modi Stadium, Motera, Gujarat' presented by Mr Eswaran Ramamoorthy, Larsen & Toubro Limited. Dr Satadru Das Adhikary, Assistant Professor, IIT-ISM Dhanbad joined the event virtually and presented his paper on 'Response characterization of highway bridge piers subjected to blast loading' which was published in fib's Structural Concrete Journal. The paper 'A review on performance-based specifications toward concrete durability' was also presented in this session by Dr Bhaskar Sangoju, CSIR Structural Engineering Research Centre (SERC), Chennai, India.

The event received collaboration, sponsorship, and patronage from several reputed organizations, namely Larsen & Toubro Limited, S P Singla Constructions Pvt. Ltd, Patel Infrastructure Ltd, NCC Limited, Shankaranarayana Constructions Private Limited, GPT Infraprojects Limited, and Afcons Infrastructure Limited.

The event concluded with a vote of thanks delivered by the Secretary & Director General of The Institution of Engineers (India).

Emerging Technologies & Seismic Concerns

Indore Local Centre, IEI organized the 37th National Convention of Civil Engineers during 16-17 October 2022 at Imperial Hall, Brilliant Convention Centre, Indore under the aegis of Civil Engineering Division Board [CVDB], IEI. A National Conference was also organized on the occasion on the theme **Emerging Technologies & Seismic Concerns**. Shri Shankar Lalwani, Member of the Parliament, Government of India graced the inaugural function



as the Chief Guest. In his address, Shri Lalwani emphasized on the roles and responsibilities of the engineers to the society and the nation at large. Dr H O Thakare, President, IEI delivered the Presidential Address and mentioned that very aptly the National Convention of Civil Engineers in this year has been planned to deliberate on hazards caused by Seismic Activities with a special focus on the use of technologies in Seismic Design, Seismic Audit and Seismic Retrofitting. Prof (Dr) Ms Shilpa Tripathi, Chairman, Chemical Engineering Division Board and Council Member, IEI briefed the august audience about the details of the technical sessions. On the occasion, Er (Dr) Abhay Gupta, Director, Skeleton Consultants Private Limited, Indore/Noida; Er Anurag Srivastava, IAS, Principal Secretary, Government of Uttar Pradesh; Dr Sandeep Chaudhari, Professor, Department of Civil Engineering, Indian Institute of Technology Indore and Er Devendra Kumar Sharma, Chairman, Himachal Pradesh Electricity Regulatory Commission were felicitated as Eminent Engineering Personalities due to their immense contribution in the field of Civil Engineering. A Technical Proceedings, containing the full text papers, presented during the technical sessions was released in the august presence of the dignitaries. For the year 2021-22, the recipients of IEI Young Engineers Award in Civil Engineering Division are; Dr Mohit Verma, Senior Scientist, CSIR-Structural Engineering Research Centre, Taramani, Chennai (in absentia); Dr (Ms) B S Sindu, Senior Scientist, Special and Multifunctional Structures Laboratory, CSIR-Structural Engineering Research Centre, Taramani, Chennai (in absentia) and Dr Kaustav Chatterjee, Assistant Professor, Department of Civil Engineering,

Indian Institute of Technology Roorkee. For the year 2022-23, the recipients of IEI Young Engineer Awards in Civil Engineering Division are; Dr Debdutta Ghosh, Senior Scientist, Structural Engineering Division, CSIR-Central Building Research Institute (CBRI), Haridwar, Uttarakhand; Dr Anindya Pain, Senior Scientist, Geotechnical Engineering Group, CSIR-CBRI, Roorkee (in absentia) and Mr Rajesh Kumar, Senior Scientist, Organic Building Materials (OBM) Division, CSIR-CBRI, Roorkee. The Prof Jai Krishna Memorial Lecture was delivered by Dr Neelima Satyam, Professor, Department of Civil Engineering, Indian Institute of Technology Indore on the topic 'SSI Analysis of Pile Foundation'. Er (Dr) Abhay Gupta delivered the State of the Art Lecture on the topic 'Future of Civil Engineering'. Mr Vinay Gupta, Director & CEO, M/s Tandon Consultants Private Limited, New Delhi delivered Keynote Lecture on the topic 'Long and Super Span Bridges: A World Scenario'. Dr Surya Prakash, MD, Satya Vani Projects and Consultants Private Limited, Hyderabad delivered Keynote Lecture on the topic 'Implementation of Modern Technologies – Latest BIS Codes – Seismic Resistant Design from Lessons Learnt Post Gujarat Earth Quake' and Dr Kapilesh Bhargava, Scientific Officer 'H', Bhabha Atomic Research Centre delivered Keynote Lecture on the topic 'Structural Audit of Old Residential Buildings'. Mr Umesh Kondiba Rajeshirke, Managing Director, Spectrum Techno Consultant Private Limited and Member, IMC *fib* presented the outcome of the *fib* Congress 2022 held at Oslo, Norway and also the activities of IMC-*fib* before the attendees and the guests. Earlier, Mr Rajendra Prasad Gautam, Chairman, Indore Local Centre, IEI delivered the welcome address. Mr Deepak S Shah, Immediate Past Honorary Secretary, Indore Local Centre & Organizing Secretary of the National Convention proposed the vote of thanks.

During the technical sessions, papers were presented on 'Seismic Response Reduction of a Building using Mid Storey Isolation System with Rubber Isolator'; Computer Aided Analysis and Design of Circular Cylindrical Shell Structure using SAP 2000; Quality of Concrete in Foundation of Transmission Towers- A Case of International Arbitration; Seismic Effects in Water Retaining Earth Structures; Design and Practice of Seismic Retrofitting; A Study of Nano-Enabled Cementitious Composites and the Resultant Benefits Arising Thereof; Stability Assessment of a Real Life G+4 RCC Building Subjected to Corrosion; An Experimental Study of a High-Density Concrete with Waste Ceramic Tiles used as an Aggregate; Probabilistic Seismic Hazard Analysis of Choral Dam, Indore and so on.

During Valedictory Session, Er Narendra Singh, Immediate Past President, IEI graced the function as Chief Guest. Mr M Nagaraj, Chairman, Civil Engineering Division Board and Council Member, IEI and Prof (Dr) Ms Shilpa Tripathi, Chairman, Chemical Engineering Division Board and Council Member, IEI were present on the session. The Convention was well attended by the professionals, academicians, researchers and students.

IEI - Springer Journal Springer

Series A
CiteScore 2021
1.6
Google Scholar h5
Index 2021
16
SCOPUS Indexed

Series B
CiteScore 2021
1.6
Google Scholar h5
Index 2021
17
SCOPUS Indexed

Series C
CiteScore 2021
2.3
Google Scholar h5
Index 2021
20
SCOPUS Indexed

Series D
CiteScore 2021
1.6
Google Scholar h5
Index 2021
13
SCOPUS Indexed

Series E
CiteScore 2021
1.3
Google Scholar h5
Index 2021
11
SCOPUS Indexed

Free e-access of Journal papers for all Corporate Members of IEI log-in from www.ieindia.org

ENGINEERING 20 (E20) SUMMIT, Bali, Indonesia 2022

Indonesia's G20 Presidency has set three priority issues viz. Global Health Architecture; Digital Economy Transformation; and Energy Transition to support global recovery. It was realized that there is a need to establish a sustainable and inclusive development while exploring new avenues to shape a more adaptive G20 against future crisis. Towards this end, The Institution of Engineers Indonesia (Persatuan Insinyur Indonesia-PII) initiated a side event

for G20 Summit in 2023 wherein E20 may also be organized as a side event of the Summit.

The Summit started with opening remarks from PII President. Each delegate was then requested to offer their view points on draft communiqué prepared by E20 Secretariat. The delegates were also requested to highlight the contribution made by engineers in their country in the recent past.

The delegation from IEI could uphold the role of Engineers in India during COVID pandemic & also their contribution towards reducing GHG emission. The aspects include Development & installation of small capacity Oxygen generators at hospitals to provide oxygen at affordable cost; Development of Covid Vaccine in short period of time & its distribution in controlled atmosphere to various part of country; Government initiative to increase share of renewable energy like Solar & wind energy; Government initiative to increase electrical and battery operated vehicle to reduce the pollution; Government initiated to increase digital economy through digital transaction; Government initiative to prepare & compile the soil health card at district level to maximize the yield and Development of user friendly software for digital transactions for common people.

This was followed by discussion sessions. During the discussion sessions, it was decided to select few critical areas with tangible action plan to get desired goal. President PII suggested forming interim committee for few critical areas. It was discussed & decided that the chairman of these interim committee will be from Indonesia side being the host of E20. Co chairman will be from different countries. The following interim committees were formed: 1. Renewal Energy 2. Health Care 3. Food security 4. Digital Economy 5. Basic education system 6. Construction— smart material 7. Climate change.

The E20 Summit discussed foundation of E20 that is to formulate standards and criteria for admission into the group of engineers, and to formulate the target objectives by a quantitative approach. Later on, the group contemplates to provide training for engineers to satisfy the minimum requirement for admission on the skill sets of "Ability to learn", deep skills in law, finance, digital and humanity subjects, as well as financial engineering skill and capabilities, and working on real projects.

The E20 platform is envisaged to serve as a platform for the Leader Engineers to act and achieve, recover and sustain together, stronger and in a more pronounced manner.



of G20 Forum known as Engineering 20 (E20). Engineering 20 is proposed as an engagement group of G20 that will serve as a platform for collaboration to produce tangible and real outcomes. E20 Platform is envisaged to work hand in hand to solve our existential challenges facing human kind through meaningful technological collaborations with engineering at the core. E20 will facilitate collaboration for engineers to produce tangible & real outcomes in all areas of engineering including & not limited to green energy transition, digital applications to multiple industrial sectors in workable manners & focusing on efficient & cost effective production of health care products. E 20's agenda is to rapture Engineers from Engineering to Leader Engineers. With series of webinars in online mode in past few months, PII has organized the E20 Summit on 03-04 November, 2022 at Bali, Indonesia.

The Institution of Engineers (India) was officially invited by PII to represent India in E20 Summit. The Institution of Engineers (India) has sent a two member delegation comprising of Dr G Ranganath, Chairman, Committee for Advancement of Technology and Engineering (CATE) & Council Member, IEI and Mr K K Mehrotra, Council Member, IEI in the E20 Summit held at Bali, Indonesia on 03-04 November 2022. The delegation was sent to have a comprehensive understanding of the work at hand as India will be the host

Be proud to be a Certified Professional Engineers (PE) and International Professional Engineers (IntPE)

Professional Engineers (PE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Five years or more professional experiences
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_PE_Certification.aspx

International Professional Engineers (IntPE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Seven years or more professional experiences
- Minimum two years professional experience in significant engineering activity
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_IntPE_Certification.aspx

The eligible candidate can submit application in the prescribed format to:
The PE Cell, The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700020

For any query and assistance, please send email to: pe@ieindia.org

IEI Celebrates World Standards Day



Theme

A Shared Vision for a Better World

The World Standards Day was celebrated by the Institution on October 14, 2022. Brief accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Gujarat

Gujarat State Centre, IEI observed World Standards Day 2022 on 14 October 2022 through hybrid mode at Ahmedabad. Mr Dineshchandra Odhavibhai Nakrani, Honorary Secretary, Gujarat State Centre, IEI welcomed the guests and dignitaries



present in the event. He gave brief introduction about the importance of the day and emphasized on raising awareness about the global standardization of products and its importance to the world economy. Keynote Speaker of the event, Mr Sai Kaushik, Deputy Director, Bureau of Indian Standards, Ahmedabad discussed about the role of Sustainable Development Goals for peace and prosperity of the people and said that every SDG is a call for action which can be achieved through collective effort only. He said that SDGs calls for concerted efforts towards building an inclusive, sustainable and resilient future for people and planet; It is important to harmonize three core elements like economic growth, social inclusion and environmental protection. At the end, Mr Vijay B Solanki on behalf of Water Management Forum of IEI proposed the vote of thanks.

Jharkhand

Jharkhand State Centre, IEI observed World Standards Day 2022 on 16 October 2022 at Ranchi. The programme started with welcome address delivered by Mr Mohammad Iquebal Alam, Chairman, Jharkhand State Centre, IEI. Chief Guest of the event, Mr Sundeep Sinha, Chief General Manager (Marketing), MECON Limited shared his experience on Quality Standards and

discussed the importance of Standards. Guest of Honour of the event, Mr Ravindra Agrawal, Senior General Manager, I/C (Inspection and QA), MECON Limited discussed about ISO 9001:2015 and explained about Quality Management System, Audits and Standards. Guest of Honour, Mr Abhay Kumar, General Manager – Projects (SAIL-CET) spoke on inter plant standardization implemented in SAIL plants. Speaker of the session, Mr Siddhartha Roy, Manager, CMPDIL spoke on standardization of ventilation standards followed in the under ground coal mining and elaborated the need of proper ventilation for mine safety. Mr Rakesh Kumar, Chief Manager, GAIL India Limited in his address spoke on cyber security, IT standardization in Gas Authority of India Limited. At the end, Mr M R Kumar, Past Honorary Secretary, Jharkhand State Centre, IEI proposed the vote of thanks.



Kerala

Kerala State Centre, IEI observed World Standards Day 2022 on 26 October 2022 at Thiruvananthapuram. Speaker of the event was Mr C Athi Pagavan, Group Director (Retd), SRQA, IISU & Chairman, NIQR, Trivandrum Branch. Earlier, Prof (Dr) M Jayaraju, Chairman, Kerala State Centre, IEI welcomed the speaker, dignitaries and participants. At the end, Mr Roy Mathew, Honorary Secretary, Kerala State Centre, IEI proposed the vote of thanks.



Uttarakhand

Uttarakhand State Centre, IEI observed World Standards Day 2022 on 14 October 2022 through hybrid mode. Mr Himanshu Awasthi, Executive Member of the host Centre welcomed the Chief Guest, Dr Sudheer Bishnoi, Director, Bureau of Indian Standards, Dehradun Region; Special Guest Er Narendra Singh, Immediate Past President, IEI; Keynote Speaker, Dr Prashant Agarwal, Director, Civil Lab, UKSC, IEI and other delegates. Dr Sudheer Bishnoi discussed about the importance of the standardization and its awareness among the people. Dr Prashant Agarwal in his lecture, explained various Standards and the Standards adopted in Civil Engineering Lab, Uttarakhand State Centre, IEI including NABL Certification. Mr Satish Chand Chauhan, Honorary Secretary, Uttarakhand State Centre, IEI proposed the vote of thanks.

LOCAL CENTRES

Agra

Agra Local Centre, IEI observed World Standards Day 2022 in association with Department of Mechanical Engineering, BSA College of Engineering and Technology, Mathura on 14 October 2022 at Mathura. Mr Rajnesh Kumar Yadav, Joint Secretary, Agra Local Centre, IEI delivered the thematic address. A debate was organised on the occasion.



Ahmednagar

Ahmednagar Local Centre, IEI observed World Standards Day 2022 on 16 October 2022 at Ahmednagar. Mr HB Thigale, Former Scientist E, Vehicles Research and Development Establishment, Ahmednagar and Past Honorary Secretary, Ahmednagar Local Centre, IEI highlighted the significance of different standards and their importance. Earlier, Mr Abhay Krishnarao Raje, Honorary Secretary, Ahmednagar Local Centre, IEI introduced the Speaker and at the end, proposed the vote of thanks.



Bokaro Steel City



Bokaro Steel City Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Bokaro. Chief Guest of the event, Mr Sharad Gupta, Chief General

Manager (Maintenance), Steel Authority of India Limited, Bokaro Steel Plant inaugurated the function and invited the engineering fraternity to join IEI and save humanity through engineering intervention. Eminent Speakers of the event, Mr Nitesh Ranjan, AGM (ECD), SAIL, Bokaro Steel Plant and Mr Chandra Shekhar Kumar, AGM (CRM-III) presented papers on the theme. Earlier, Mr Navin Prakash Srivastava, Chairman, Bokaro Steel City Local Centre, IEI welcomed the dignitaries and appealed to the engineering fraternity to join IEI family to strengthen the body. At the end, Mr Sunil Kumar, Honorary Secretary, Bokaro Steel City Local Centre, IEI proposed the vote of thanks.

Bareilly

Bareilly Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Bareilly. The programme was started with welcome address delivered by Mr Mahendra Kumar



Agarwal, Honorary Secretary, Bareilly Local Centre, IEI. Mr Sudhir Kumar Gupta, Chairman, Bareilly Local Centre, IEI briefed the audience about the theme. Speakers of the event, Mr Suresh Sundrani, Past Chairman, Bareilly Local Centre, IEI and Director, Param Engineers Private Limited and Mr H C Gupta, Vice President, Tata Chemicals Limited, Babrala, Baduan delivered lectures on the theme. At the end, Mr Mahendra Kumar Agarwal proposed the vote of thanks.

Durgapur



Durgapur Local Centre, IEI observed World Standards Day 2022 on 16 October 2022 at Durgapur. Mr Manas Majumder, Honorary Secretary, Durgapur Local

Centre, IEI in his introductory remarks said that observation of the Day is to pay tribute to the collaborative efforts of thousand of experts worldwide, who develop the voluntary technical agreements that are published as International Standards. Mr Safikul Islam, Chairman, Durgapur Local Centre, IEI in his welcome address highlighted the efforts of experts who develop voluntary standards within standards development organization like American Society of Mechanical Engineers (ASME), International Electrotechnical Commission (IEC), International Ethics Standards Board for Accountants (IESBA), International Organization for Standardization (ISO), etc. Guest of Honour and Keynote Speaker of the event, Dr Arup Kumar Mandal, Associate Dean (Academic and Examinations), Assistant Professor, Department of Metallurgical and Materials Engineering, National Institute of Technology Durgapur spoke on the topic 'Stepping Towards the Vision of Sustainable Development and Climate Change in Iron and Steel Making by 2030'. At the end, Mr Manas Majumder proposed the vote of thanks.

Faridabad

Faridabad Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Faridabad. Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI welcomed the audience and stated the importance of observation of the Day. Speakers of the event were Prof (Dr) Pradeep Kumar, Chairman, Electronics Engineering Department, J C Bose University of Science and Technology, YMCA, Faridabad and Dr Manu Bhindra, Engineer – Entrepreneur,

Insuh Auto. At the end, Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Kadapa

Kadapa Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Kadapa. Speaker of the event, Prof M C Raju, Professor, Department



of Mathematics, JNTUA College of Engineering, Pulivendula delivered lecture on the theme of the Day. Earlier, Mr R Narendra Rao, Honorary Secretary, Kadapa Local Centre, IEI welcomed

all and at the end of the event, proposed vote of thanks.

Kanpur

Kanpur Local Centre, IEI observed World Standards Day 2022 in association with Department of Civil Engineering, HBTU, Kanpur on 14 October 2022 through online mode. Theme Speaker of the event, Mr K C S Bisht, Former Scientist G and Deputy Director General (East), Bureau of India Standards, New Delhi focused on the recognition of the efforts of scientists, technologists, manufacturers, consumer organizations etc, for their efforts in the development of Standards for sustainable development for all. He highlighted the scope and functioning of the Bureau of India Standards, the National Standard body of India for standards and conformity assessment scheme; role of Standards to combat climate change and achieving SDG's regarding enhancing peace and prosperity; eradication of poverty and protecting the planet. Earlier, Mr Vivek Asthana, Chairman, Kanpur Local Centre, IEI welcomed the theme speaker. At the end, Mr Rama Kant Yadav, Honorary Secretary, Kanpur Local Centre, IEI proposed the vote of thanks.

Kanyakumari

Kanyakumari Local Centre, IEI observed World Standards Day 2022 in association with Computer Science Department of Women's Christian College, Nagercoil on 14 October 2022 at Kanyakumari. Dr S Arumuga Perumal, Distinguished Professor of Computer Science, Crown University, Intl, Chartered Inc. USA and Chairman, Kanyakumari Local Centre, IEI spoke about the collaborative efforts of thousands of experts worldwide, for development of the technical standards that are published as International Standards. He mentioned that combining critical thinking, collective thinking, communication skills, collaborative thinking and computational abilities can standardise the level for a successful entrepreneur. Mr S Natarajan, Honorary Secretary, Kanyakumari Local Centre, IEI spoke on the theme of the Day.

Kollam

Kollam Local Centre, IEI observed World Standards Day 2022 in association with TKM Institute of Technology, Karuvelil on 14 October 2022 at Kollam. Dr M Jose



Prakash, Principal, TKM Institute of Technology in his inaugural address, briefed about the importance of standards in various arenas and stressed upon the benefits and facilities available by using Standards. Mr Ajayan R (Retd), Divisional Engineer, BSNL and Executive Committee Member, Kollam Local Centre, IEI deliberated about the importance of this Day. Dr R Ramesh Kumar, Former Head (Honeycomb Product and Development Division), VSSC/ISRO delivered lecture on the topic 'Failure Scenarios and Lessons Learnt'.

North Bengal

North Bengal Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Jalpaiguri. Prof (Dr) Sudip Mukherjee, Chairman, North Bengal Local Centre, IEI, while briefing on the theme, mentioned that due



to global challenges like climate change, pandemic, inequality, we have to work together to make sustainable changes and suggested to start campaigning programme for raising

awareness regarding contribution of international standards to achieve United Nations Sustainable Development Goals. Speaker of the event, Dr Goutam Bairagi, Head of the Department, Department of Civil Engineering, Jalpaiguri Government Engineering College, Jalpaiguri said that Sustainable Development Goals offer a shared blueprint for the peace and prosperity for the people and the planet. At the end, Mr Chinmoy Ghosh, Honorary Secretary, North Bengal Local Centre, IEI proposed the vote of thanks.

Roorkee

Roorkee Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Roorkee. Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI welcomed the august gathering and highlighted the importance of World Standards Day. Keynote



Speaker of the event, Prof Satyendra Mittal, Department of Civil Engineering, Indian Institute of Technology Roorkee delivered lecture on the topic 'Safety & Quality Aspects in Construction – A Shared vision for a Better World'. At the end, Mr Vineet Kumar Saini, Honorary Secretary, Roorkee Local Centre, IEI proposed the vote of thanks.

Rourkela

Rourkela Local Centre, IEI observed World Standard Day 2022 on 14 October 2022 through online mode. Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI welcomed the members and guests. Speaker of the event, Mr Arun Katyayan, Deputy Controller, Legal Metrology, Government of Bihar delivered lecture on the theme and mentioned that observation of the Day offers the opportunity to increase the understanding of importance of the Day. He opined to achieve sustainable development goals by means of public and private partnership, and stressed on the use of all available tools to disseminate best practice including international standards and conformity assessment of standardization for quantity, standardization for quality production. He also elaborated on the purpose of BIS ISI Certification

for testifying products for Quality Based Compliance. At the end, Dr Rama Chandra Pradhan, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.

Saurashtra

Saurashtra Local Centre, IEI observed World Standards Day 2022 in association with Darshan University, Hadala, Rajkot on 18 October 2022 at Rajkot. An expert talk was organized on this occasion. Speaker of the event, Mr Jayen Kotecha, Founder & CEO, Perfact Consulting Group, Rajkot elaborated in detail on the theme of the Day. Earlier, Prof (Dr) Sarang Sadashiv Rao Pande, Chairman, Saurashtra Local Centre, IEI delivered the welcome address. At the end, Mr Deepak V Suchde, on behalf of Saurashtra Local Centre, IEI proposed the vote of thanks.

Tirunelveli

Tirunelveli Local Centre, IEI observed World Standards Day 2022 on 19 October 2022 at Tirunelveli. Mr Jimmi Carten M, Honorary Secretary, Tirunelveli Local Centre, IEI delivered the



welcome address. Prof (Dr) R Velayutham, Principal, Einstein College of Engineering, Tirunelveli, Tamilnadu and Chairman, Tirunelveli Local Centre, IEI delivered lecture on the theme. At the end, Mr E Sivaganesh, Joint Secretary, Tirunelveli Local Centre, IEI proposed the vote of thanks.

Udaipur

Udaipur Local Centre, IEI observed World Standards Day 2022 on 14 October 2022 at Udaipur. Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI and Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Speaker of the event, Mr Surendra Jalora,



Director, Enernovation Private Limited. Mr Jalora in his address discussed about the observation of first World Standards Day and added that Standards are the key factors to achieve the global

goals. At the end, Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI proposed for vote of thanks.

From the President's Desk.....

Contd. from page 1

E20 will serve as a platform for collaboration for engineers to produce tangible & real outcomes in all areas of engineering including & not limited to green energy transition, digital applications to multiple industrial sectors in workable manners & focusing on efficient & cost effective production of health care products. E20' agenda is to rapture Engineers from Engineering to Leader Engineers.

The Institution of Engineers (India) has sent a two member delegation in the E 20 Summit held at Bali, Indonesia on 03-04 November 2022 to have a comprehensive understanding of the work at hand as India will be the host for G20 Summit in 2023 wherein E20 will also be organized as side event of the Summit. The delegation could uphold the role of Engineers in India during COVID pandemic & also their contribution towards reducing GHG emission. The aspects include Development & installation of small capacity Oxygen generators at hospitals to provide oxygen at affordable cost; Development of Covid Vaccine in short period of time & its distribution in controlled atmosphere to various part of country; Government initiative to increase share of renewal energy like Solar & wind energy; Government

initiative to increase electrical and battery operated vehicle to reduce the pollution; Government initiated to increase digital economy through digital transaction; Government initiative to prepare & compiled the soil health card at district level to maximize the yield and Development of user friendly software for digital transaction for common people.

The E20 Summit discussed foundation of E20 that is to formulate standards and criteria for admission into the group of engineers, and to formulate the target objectives by a quantitative approach. Later on, the group contemplates to provide training for engineers to satisfy the minimum requirement for admission on the skill sets of "Ability to learn", deep skills in law, finance, digital and humanity subjects, as well as financial engineering skill and capabilities, and working on real projects.

Through this desk, I, on behalf of The Institution of Engineers (India) would exhort the stalwarts and authorities in the field of engineering to chip in their views and proposals so as to ensure that the Engineering 20 can contribute meaningfully towards bringing in a Renaissance in field of Engineering and Technology.

IEI Celebrates World Habitat Day

Theme

Mind the Gap. Leave No One and Place Behind

The World Habitat Day was celebrated by the Institution on October 3, 2022. Brief accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Gujarat

Gujarat State Centre, IEI observed World Habitat Day 2022 on 03 October 2022 at Ahmedabad through hybrid mode and organized an Expert talk on this occasion. Mr Dineshchandra Odhavjibhai Nakrani, Honorary Secretary, Gujarat State Centre, IEI welcomed the guests and delegates and spoke briefly the importance of the Day. Guest of Honour of the event, Dr A M Prabhakar, Former Principal, Gujarat Power Engineering and Research Institute, Mehsana explained that the pandemic and recent conflicts have reversed years of progress to fight against poverty. He further opined for tackling urban poverty and inequality with utmost priority. Keynote Speaker of the event, Mr Madhu Menon, Managing Trustee of Ahmedabad Nature Lovers' Association (ANALA), Ahmedabad delivered lecture on the theme. At the end, Mr Niraj A Shah, Committee Member, Gujarat State Centre, IEI proposed the vote of thanks.



Jharkhand

Jharkhand State Centre, IEI in association with MECON Limited, Ranchi observed World Habitat Day 2022 on 10 October 2022 at Ranchi. Chief Guest of the event, U K Vishwakarma, Executive Director, MECON discussed the statistics of growing economy of India and further highlighted the role played by the Indian steel sector as a driving force in the economy of our country and the reduction in emission for steel sector with latest technologies. Guest of honour of the event, Mr J K Jha, Chief General Manager (Civil & Architecture), MECON focussed on the constraints in implementing UN-SDGs. Mr Abhinav Bharat Jha, Senior Manager (Civil), MECON briefed on the theme and mentioned the importance of UN Sustainable Development Goals, challenges in urbanization and the drivers for change required for betterment of living conditions by using triple C crisis, namely COVID-19, Climate and Conflict. He explained the initiatives taken by Government of India in urban sector to uplift the weaker sections, affordable housing and economic improvement of the lower strata of the society. Mr Kriti Mohan Roy, AGM Architecture, MECON discussed on human settlement and urban planning and further elaborated on housing and habitat in the perspective of SDG 11. Mr Devashish Gupta, General Manager (PP&EE) & In-charge, Corporate Communications, MECON spoke on the theme. Earlier, Mr Mohammad Iqbal Alam, Chairman, Jharkhand State Centre, IEI delivered the welcome address and emphasized the need for coordination between engineering consultants with academia, which will be beneficial for the society. At the end, Mr Manoj Kumar, Honorary Secretary, Jharkhand State Centre, IEI proposed the vote of thanks.



Karnataka



Karnataka State Centre, IEI observed World Habitat Day 2022 on 03 October 2022 at Bengaluru through hybrid mode. Speaker of the event, Dr Neetha Mahadev, Professor, Department of Management Studies, BNM Institute of Technology, Bangalore explained the theme of the Day and highlighted major points like building homes builds lives, the right to shelter and sustainable living, which focused on environmental impact of current urbanization for future housing. Earlier, Dr Enti Ranga Reddy, Honorary Secretary, Karnataka State Centre, IEI welcomed all.

Kerala

Kerala State Centre observed World Habitat Day 2022 on 19 October 2022 at Thiruvananthapuram. Prof (Dr) M Jayaraju, Chairman, Kerala State Centre, IEI welcomed the participants.



Speaker of the event, Dr Manoj Kumar K, Principal, Kerala State Institute of Design delivered lecture on the theme. At the end, Mr Roy Mathew, Honorary Secretary, Kerala State Centre, IEI proposed the vote of thanks.

LOCAL CENTRES

Agra



Agra Local Centre, IEI observed World Habitat Day 2022 in association with Department of Civil Engineering, BSA College of Engineering and Technology, Mathura on 07 October 2022 at Mathura. Mr Devendra Singh Chaudhary, Chairman,

Agra Local Centre, IEI spoke on the theme. Mr Rajnesh Kumar Yadav, Member, Electronics and Telecommunication Engineering Division, Agra Local Centre, IEI was present on the occasion.

Ahmednagar

Ahmednagar Local Centre, IEI observed World Habitat Day 2022 on 06 October 2022 at Ahmednagar. Mr Ravindra Mulay, Builder and Promoter delivered Keynote address on the theme and pointed out that India is responding to the needs of housing for poor and downtrodden people by implementing various schemes and appealed to the



budding engineers to work in the areas of sustainable building, town planning, disaster management and environmental sustainability. Mr Manohar Mukund Anekar, Chairman, Ahmednagar Local Centre, IEI presided over the function.

Belagavi



Belagavi Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 at Belagavi. Speaker of the event, Prof Sagar Waghmare, CEO, SP Consultants, Belagavi explained the

importance of the Day and stressed the need of the coexistence of all the living things on the Earth. He opined that nature has the balancing power and if anything goes beyond this, the Mother Earth takes care of balancing it automatically. Mr R T Jangal, Chairman, Belagavi Local Centre, IEI presided over the function. Dr Devendrappa Kenchakkanavar Veeranna, Honorary Secretary, Belagavi Local Centre, IEI welcomed the gathering and at the end, proposed the vote of thanks.

Coimbatore

Coimbatore Local Centre, IEI observed World Habitat Day 2022 on 15 October 2022 through online mode. A technical webinar was organized on this occasion. Guest Speaker of the event, Dr P Sharnita, Assistant Professor, Department of Psychiatry, Karpagam Faculty of Medical Sciences and Research, Coimbatore delivered lecture on the theme and explained about the importance of observing World Habitat Day. She briefly explained about the inequality in the present society and suggested measures to overcome the challenges. Earlier, Prof (Dr) S Shanmugam, Chairman, Coimbatore Local Centre, IEI welcomed the Guest Speaker and the participants. At the end, Dr J Krishnamoorthi, Honorary Secretary, Coimbatore Local Centre, IEI proposed the vote of thanks.

Faridabad

Faridabad Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 through online mode. Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI welcomed the members and the participants. Speakers of the event, Mr I S Oberoi, Director, A D Global Synergies Private Limited, Faridabad and Mr Sushil Bajaj, Co-Founder and Principal Consultant (Engineering), Artech Consultants, Faridabad, focused on the growing inequalities and challenges in cities and human settlements. At the end, Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Gorakhpur

Gorakhpur Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 at Gorakhpur. Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local



Centre, IEI welcomed the Speakers of the event and Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre, IEI introduced the Speakers. Ar Manish Mishra, HoD, Purvanchal Institute of

Architecture and Design, Gorakhpur deliberated on Mahanagar Yojna 2031 and stressed for the shelter of weaker section and homeless people in the city. Ar Prakhar Ranjan, Architect and Urban Designer, Founder/Director, Workroom W3, Gorakhpur opined that habitation in the urban area be systematically arranged, so that public transportation should not be disturbed. Mr Farooq Azam, Structural Engineer expressed his views on the theme and stressed on the need of development for every single person of society. At the end, Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre, IEI proposed the vote of thanks.

Kanpur

Kanpur Local Centre, IEI in association with Department of Civil Engineering, HBTU, Kanpur observed World Habitat Day 2022 on 03 October 2022 in virtual mode. Theme Speaker of the event, Mr Manish Kumar, Assistant

Professor, Department of Civil Engineering, HBTU, Kanpur delivered Keynote lecture on the theme and mentioned that the theme reflects the state of our towns and cities and the basic right for adequate shelter to all. Earlier, Mr Vivek Asthana, Chairman, Kanpur Local Centre, IEI welcomed the theme speaker and the participants. Prof (Dr) Pradeep Kumar, Past Chairman, Kanpur Local Centre was the convenor of the programme. At the end, Mr Rama Kant Yadav, Honorary Secretary, Kanpur Local Centre, IEI proposed the vote of thanks.

Kochi

Kochi Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 through online mode. Mr Salahudheen P A, Chairman, Kochi Local Centre, IEI delivered welcome address. Speaker of the event was Dr Subha V, Professor, Civil Engineering Department, School of Engineering, CUSAT, Kochi. At the end, Mr Babu K S, Honorary Secretary, Kochi Local Centre, IEI proposed the vote of thanks.

Kollam



Kollam Local Centre, IEI observed World Habitat Day 2022 in association with Department of Chemical Engineering, TKM College of Engineering, Kollam on 07 October 2022 at Kollam.

Dr Madhusoodanan Pillai K, Executive Committee Member, Kollam Local Centre, IEI welcomed all. Chief Guest of the programme, Mr P B Sajan, Joint Director, COSTFORD delivered the Keynote speech.

Madurai

Madurai Local Centre, IEI observed World Habitat Day 2022 on 08 October 2022 at Madurai. Chief Guest of the event, Dr T Arockiadoss, Assistant Professor and Head, Department of Physics, Directorate of



Distance Education, Madurai Kamaraj University, Madurai delivered lecture on the theme. Earlier, Dr N Sivasubramanian, Chairman, Madurai Local Centre, IEI delivered the welcome address. At the end, Prof (Dr) P Udhaya Kumar, Honorary Secretary, Madurai Local Centre, IEI proposed the vote of thanks.

Meerut

Meerut Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 through online mode. Mr Mohan Lal Jain, Chairman, Meerut Local Centre, IEI welcomed the guests, dignitaries and discussed about the importance of the day. Chief Guest of the event, Mr Ishtiyak Ahmad, Chief Town Planner, Meerut Development Authority, Meerut advocated to reduce the social inequalities. He opined on implementation of SDG 11 on cities and communities. Mr V B Singh, Vice President IEI and Mr Masarrat Noor Khan, Chairman, Uttar Pradesh State Centre, IEI were present in the function and expressed their views. At the end, Mr Raj Pal Agarwal, Honorary Secretary, Meerut Local Centre, IEI proposed the vote of thanks.

North Bengal

North Bengal Local Centre, IEI observed World Habitat Day 2022 on 03 October 2022 through online mode. Mr Chinmoy Ghosh, Honorary Secretary, North Bengal Local Centre, IEI briefed on the theme and mentioned that the pandemic has highlighted the problem of growing inequalities, vulnerabilities and challenges in cities and human settlements, which galvanised national and state governments to embark on a transformative path to achieve UN – SDGs. Prof (Dr) Sudip Mukherjee, Chairman, North Bengal Local Centre, IEI; welcomed all and shared his views. At the end, Mr Chinmoy Ghosh proposed the vote of thanks.

Contd on page 15



IEI Celebrates 55th Engineers' Day

Smart Engineering for a Better World

The 55th Engineers' Day was celebrated by the Institution all over the country on September 15, 2022 to commemorate the 162nd 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

Andaman and Nicobar

Andaman and Nicobar State Centre of the Institution observed 55th Engineer's Day on 15 September 2022 at Port Blair. Mr M Sivaramasubramanian, Chairman, Andaman and Nicobar State Centre, IEI delivered the welcome



address. Chief Guest of the event, Mrs Nandini Paliwal, IAS, Commissioner-cum-Secretary, Andaman and Nicobar Administration paid tribute to Bharat Ratna Sir M Visvesvaraya and appealed

to the engineering fraternity for innovative and constructive ideas towards the development of the islands. Mr Shajan Thomas, Honorary Secretary, Andaman and Nicobar State Centre, IEI presented the annual report for the year 2021-22. Keynote Speaker of the event was Mr V Viswanathan, Leading Corporate Trainer, Consultant and Auditor and the other two Speakers were Mr Prakash Reddy, GM (Projects), Airport Authority of India and Dr E Muthu Kumaran, Assistant Professor, Electronics Engineering, Dr B R Ambedkar Institute of Technology (DEBRAIT), Port Blair.

Jammu & Kashmir

Jammu and Kashmir State Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Srinagar. Mr Shailendra Kumar IAS, Principal Secretary to Government, Public Works Department, J&K graced the function as Chief Guest.



Guests of Honour of the event were Mr Khurshid Ahmad Ganai, IAS, Former Advisor to Governor of Jammu and Kashmir and Mr Athar Aamir Khan, IAS, Commissioner, Srinagar Municipal Corporation. Earlier, Dr Raof Ahmad Khan, Chairman, Jammu and Kashmir State Centre, IEI welcomed the guests and Mr Ferdous Ahad Bhat, Honorary Secretary, Jammu and Kashmir State Centre, IEI coordinated the event.

Karnataka

Karnataka State Centre, IEI observed 55th Engineer's Day on 15 September 2022 through hybrid mode. Chief Guests of the event were Mr Murugesh Nirani, Hon'ble Minister for Large and Medium Industries, Government of



Karnataka and Mr Rizwan Arshad, MLA, Shivajinagar Constituency. Dr Enti Ranga Reddy, Honorary Secretary, Karnataka State Centre, IEI delivered the welcome address. Mr M Lakshmana,

Chairman, Karnataka State Centre, IEI was present on the dais during inauguration. A Technical talk Competition for the engineering students was organised on the occasion on the theme of the Day.

Maharashtra

Maharashtra State Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Mumbai. Dr H M Raje, Immediate Past Chairman, Maharashtra State Centre, IEI welcomed the dignitaries on the dais. Dr M B Dagaonkar, Ex City Engineer and Ex AMC, NMMC, Past Council Member, IEI provided



a brief lifesketech of Sir M Visvesvaraya. Mr Pradeep Narwelkar, Member, Navi Mumbai Local Centre, IEI introduced the Speaker of the event, Dr S S Bhagwat, Professor, Department of

Chemical Engineering, Dean Academic Programmes, Institute of Chemical Technology, Mumbai mentioned that the society's needs are fulfilled by the industry through the materials and services it provides. At the end, Mr Vijay Chandrakant Kamble, Honorary Secretary, Maharashtra State Centre, IEI proposed the vote of thanks.

LOCAL CENTRES

Anpara

Anpara Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Anpara. Chief Guest of the event, Mr R C Srivastava, Chief General Manager,



Anpara Thermal Power Project, Anpara appealed to the engineering fraternity to follow the path laid down by the great Engineer and Statesman. He called upon the technical experts to work for the betterment of the society and civilization by setting up technical task force and sharing their knowledge. Guest of Honour of the event was Mr Ram Janam Yadav, Senior Manager, NCL Bina. Earlier, Mr Mohit Yadav, J.E, Anpara Thermal Power Project presented the life sketch of Sir M Visvesvaraya. Earlier, Mr Mukesh Kumar Singh, Past Honorary Secretary, Anpara Local Centre, IEI welcomed the august gathering and at the end of the session, proposed the vote of thanks.

Asansol

Asansol Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Burnpur, Asansol. Chief Guest of the event, Mr Shibasis Basu, Executive Director (Projects), IISCO-SAIL ISP, Burnpur said that Engineer's Day is observed to recognize and appreciate the contributions of engineers in the field of science and technology. Mr Gautam Bhatia, Chief General Manager



(in charge), (Personnel & Administrative), IISCO-SAIL ISP graced the function as Guest of Honour. A documentary film on Sir M Visvesvaraya was displayed. At the end, Mr

Sumanta Karmakar, Honorary Secretary, Asansol Local Centre, IEI proposed the vote of thanks.

Bathinda

Bathinda Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Bathinda. Chief Guest of the event was Mr Vijay Kant Goyal, General Manager, National Fertilizer Limited, Bathinda and Guests of Honour of the event were Dr R K Bansal, Director, Punjab Institute of Technology, Nandgarh and Mr Punnerdeep Singh Brar, Chief Engineer, Western Zone, Punjab State Power Corporation Limited. Dr Manpreet Kaur, Assistant Professor, Electronics and



Communication Engineering Department, Yadavindra College of Engineering, Talwandi Sabo delivered lecture on the theme. Earlier, Prof (Dr) Jagtar Singh, Chairman, Bathinda Local

Centre, IEI welcomed the participants and presented the life sketch of Sir M Visvesvaraya. At the end, Mr J S Deol, Honorary Secretary, Bathinda Local Centre, IEI proposed the vote of thanks.

Chandrapur

Chandrapur Local Centre, IEI observed 55th Engineer's Day in association with Rajiv Gandhi College of Engineering Research and Technology, Chandrapur and Rotary Club, Chandrapur to commemorate the birthday of Sir M Visvesvaraya on 15 September 2022 at Chandrapur. Chief Guest of the event, Dr Z J Khan, Principal, Rajiv Gandhi College of Engineering Research and Technology (RCERT), Chandrapur mentioned the importance and responsibilities of

the engineers in the society and also focused on energy conservation. Speaker of the event, Dr Rajendra Jaiswal, Infrastructure Developer emphasized on combined effort for new innovations.

Earlier, Mr Yogendrasingh D Parihar, Honorary Secretary, Chandrapur Local Centre, IEI welcomed the Chief Guest and other dignitaries and at the end, proposed the vote of thanks.



Dharwad

Dharwad Local Centre of the Institution observed 55th Engineer's Day on 15 September 2022 at Dharwad. Chief Guest of the event, Mr Gurudatta Hegde, Deputy Commissioner, Dharwad opined that engineers play the significant role to provide appropriate solutions to the problems and added that the social, political or economic problems be handled with engineering perspectives.



Guest of Honour of the event, Mr M Narayan, General Manager (Technical), CITISS Project, Hubballi, Dharwad Smart City Limited, Hubballi briefed about components that

will be integrated using direct feeds, sharing of alerts/actionable inputs for integrating significant operations like smart governance, people environment platform, smart energy, city surveillance system (police and traffic) of smart city project of Hubballi, Dharwad. He emphasized that world is becoming smart due to advancement of science and technology and leading to better comfort of the society. Mr Vijaykumar Hanamantappa Totiger, Chairman, Dharwad Local Centre, IEI presided over the function and paid tribute to Sir M Visvesvaraya. At the end, Mr Sidlingappa Sangappa Kerur, Honorary Secretary, Dharwad Local Centre, IEI proposed the vote of thanks.

Durgapur

Durgapur Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Durgapur. Chief Guest of the event, Mr R C Mohapatra, General Manager, Eastern Coalfield Limited, Sonapur Bazari Area, West Bengal paid tribute to Bharat



Ratna Sir M Visvesvaraya and highlighted his contribution for nation building. Guest of Honour of the event, Dr D V Rajan, Chief Engineer (R&D), Damodar Valley Corporation, Kolkata expressed his views on smart engineering. Guest Speaker of the event, Dr Ravi Kant Jain, Principal Scientist, CSIR-CMERI, Durgapur mentioned that smart engineering creates value addition using digitally influenced development process and said that function of smart engineering are to improve the quality, performance, customer acceptance and cost reduction of products and capture the entire product life cycle for improving productivity, quality and reliability across the process boundaries. Earlier, Mr Safikul Islam, Chairman, Durgapur Local Centre, IEI welcomed the Guests and august gathering and explained the function of smart technologies to achieve sustainable development goals. Mr Manas Majumder, Honorary Secretary, Durgapur Local Centre, IEI proposed the vote of thanks at the end of the session.

Faridabad

Faridabad Local Centre, IEI observed 55th Engineer's Day on 14-15 September 2022 at Faridabad in hybrid mode. Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI delivered the



welcome address. Speaker of the event, Prof (Dr) Sudeshna Chakraborty, Computer Science and Engineering, Galgotias University discussed about the intrinsic nature of engineering profession. Speaker, Mr Dev Kumar Jaiswal, General Manager, Schneider Electric explained the application of Digital Twins. Dr C Jayaguru, Professor, Civil Engineering Department, PSNA College of Engineering and Technology, Tamilnadu discussed on data driven decision making systems and the impacts of climate change. Ms Sonal Saluja, Assistant Professor, Department of Civil Engineering, MRIIRS, Faridabad spoke on solid waste management. Dr Anita Khosla, Professor, MRIIRS, Dr Ashish Grover, Assistant Professor, MRIIRS and Dr Richa Adlakha, Assistant Professor, MRIIRS discussed about smarter governance, contribution of technology for smart world, barriers in development of smart cities, etc. Dr S V A V Prasad, Dean and Director, Lingayas Vidyapeeth, Faridabad and Mr Nikhil Kaushik, Research Scholar, Lingayas Vidyapeeth, Faridabad discussed on Internet of Things. During the valedictory function, Mr U S Sahi, Executive Director, NHPC Limited, Faridabad was the Chief Guest and Prof (Dr) Sushil Kumar Tomar, Vice Chancellor, J C Bose University of Science and Technology (YMCA), Faridabad, the Guest of Honour. A Souvenir was released on the occasion. At the end, Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Jamshedpur

Jamshedpur Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 through virtual mode. Mr Probal Ghosh, Chairman, Jamshedpur Local Centre, IEI welcomed all the participants and discussed the importance of the day. Chief Guest of the event was Dr Indranil Chatteraj, Director, CSIR-NML, Jamshedpur. Keynote Speaker of the event, Mr A M Misra, Ex-Vice President, Shared Services, Tata Steel, Jamshedpur explained the significance of the theme. He further discussed on the development of construction materials, which include self-healing concrete, composites, graphene etc. At the end, Mr Shanti Das Bhattacharjee, Honorary Secretary, Jamshedpur Local Centre, IEI proposed the vote of thanks.

Kanchepuram

Kanchepuram Local Centre, IEI observed 55th Engineer's Day in association with Department of Civil Engineering, School of Infrastructure, B S Abdur Rahman Crescent Institution of Science and Technology, Vandalur, Chennai on 15 September 2022 at Kanchepuram. Prof (Dr) D Elango, Chairman, Kanchepuram Local



Centre, IEI delivered the presidential address. Chief Guest of the event, Mr M Vasudevan, Superintending Engineer, Planning and Design Circle, PWD, Chempauk, Chennai delivered the Keynote address and shared the life sketch of Sir M Visvesvaraya. He also discussed the role of civil engineers in the field of construction, irrigation, geotechnical, structural engineering etc.

Kochi

Kochi Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Kochi. Mr Salahudheen P A, Chairman, Kochi Local Centre, IEI presided over the function and welcomed the guests, dignitaries and participants. Chief Guest of the event, Dr Ajith Kumar, Director, Naval Physical & Oceanographic Laboratory (NPOL) outlined the life sketch of Bharathratna Sir M Visvesvaraya. Prof (Dr) G Madhu, Technical Activity Convener introduced the Chief Guest. Dr Ajith Kumar in his address explained, application of smart technology in modern warfare and technology used in the Air craft carrier Naval Ship INS Vikrant rebuilt by Cochin Shipyard. At the end, Mr Prasanth, Honorary Joint Secretary, Kochi Local Centre, IEI delivered vote of thanks.



Kolar

Kolar Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Kolar. Keynote Speaker of the event, Mr Nehru Babu, General Manager, BEML Limited, KGF discussed the contribution of Sir M Visvesvaraya and spoke on smart engineering. He opined that engineers have to change the world with their innovation, technology in education, health care industry, manufacturing and production engineering. He further discussed on ozone depletion management with green energy technology. Earlier, Mr Manjunatha Babu N S, Honorary Secretary, Kolar Local Centre, IEI delivered the welcome address and highlighted the life sketch of Bharat Ratna Sir M Visvesvaraya.



Palghat

Palghat Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Palakkad. Chief Guest of the event, Mr Srinivasan G, Chief General Manager and Complex Head, BEML Limited, Palakkad Complex delivered lecture on the theme and discussed on smart engineering technologies in BEML for manufacturing advanced heavy duty vehicles used in Indian defence and mining sectors. Mr Madhana Mohan K, Chairman, Palghat Local Centre, IEI delivered the presidential address. Prof (Dr) C Pradip, Honorary Secretary, Palghat Local Centre, IEI welcomed the dignitaries and participants.



Roorkee

Roorkee Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at the Department of Water Resources & Development Management, IIT Roorkee. Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI welcomed the dignitaries, guests and Corporate Members and delivered lecture on the theme. Ms (Ar) Neeta Mittal, EC Member presented the life sketch of Sir M Visvesvaraya and highlighted his contribution to the society, his discourse on economic planning and reconstruction of India. Keynote Speaker of the



event, Prof Chandra Shekhar Prasad Ojha, Civil Engineering Department, IIT Roorkee discussed on smart engineering, smart systems, data transmission, climate change impacts on infrastructure, solid waste management, etc. At the end, Mr Vineet Kumar Saini, Honorary Secretary, Roorkee Local Centre, IEI proposed the vote of thanks.

Rourkela

Rourkela Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Rourkela Steel Plant. The programme started with the welcome address delivered by Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI. Mr Atanu Bhowmick, Director-in-Charge, SAIL, Rourkela Steel Plant graced the occasion as Chief Guest and Prof K Umamaheswar Rao, Director, National Institute of Technology, Rourkela was the Guest of Honour. Chief Speaker of the event was Mr Ashok Kuma Basa, Executive Vice President, World Federation of Engineering Organization (WFEO) and Past President, IEI. At the end, Dr Rama Chandra Pradhan, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.



South Gujarat

South Gujarat Local Centre, IEI observed 55th Engineer's Day, in association with Indian Space Research Organization (ISRO), Think India and SVNIT Alumni Association on 15 September 2022 at Surat. Chief Guest of the event, Mr N J Bhatt, Head, Vikram Sarabhai Exhibition, Space Application Centre focused on smart technologies to achieve sustainable development goals in a phased manner with socio engineering aspect and developing a smart infrastructure.

He opined that smart engineering includes the issues of environmental sustainability, satellite purpose and application, fundamentals of space technology. Dr P L Patel, Deputy Director, SVNIT; Mr Ravi Sopariwala, Vice President, Alumni Association, SVNIT were also present on the occasion. Earlier, Dr Jignesh G Vagharia, Chairman, South Gujarat Local Centre, IEI welcomed the audience.



Trichur

Trichur Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Trichur. Prof Sunil Kumar C P, Chairman, Trichur Local Centre, IEI welcomed the Chief Guest of the event, Mr Saju Antony Pathadan, Lions Kerala Multiple Chairman and Construction Engineer. Mr Pathadan in his address appealed the engineering community to come forward and contribute to nation building. At the end, Dr Kurien E K, Honorary Secretary, Trichur Local Centre, IEI proposed for vote of thanks.



Warangal

Warangal Local Centre, IEI observed 55th Engineer's Day on 15 September 2022 at Warangal. Chief Guest of the event was Dr G Damodar, Vice Chancellor, Chaitanya, (Deemed to be University), Kishanpura, Hanamkonda. Guest of Honour of event was Prof G Shanker Lingam, Dean, Chaitanya Institute of Technology and Science, Hanamkonda. Earlier, Mr M Sambiah, Chairman, Warangal Local Centre, IEI delivered the welcome address.



IEI Celebrates Royal Charter Day

The Institution of Engineers (India) was incorporated by Royal Charter on September 9, 1935 by King and Emperor George V at the Court at Buckingham Palace, London and remains the only professional body in India to be accorded this Honour. This endowed the Corporate Members of the Institution with the right to use the title 'Chartered Engineer' after their names, implying that they are qualified engineers deemed worthy to hold a Charter. The 'Royal Charter Day' was celebrated by IEI all over the country on September 9, 2022. A brief accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Andaman and Nicobar

Andaman and Nicobar State Centre, IEI observed Royal Charter Day on 09 September 2022 at Port Blair. Speaker of the event was Mr Johnson Abraham, Former Area Manager, ANCON/WEBCON. Earlier, Mr Shajan Thomas, Honorary Secretary, Andaman and Nicobar State Centre, IEI welcomed the speaker and the participants and spoke about the importance of Royal Charter Day and at the end, proposed the vote of thanks.

Karnataka



Karnataka State Centre, IEI observed Royal Charter Day on 09 September 2022 through hybrid mode. Keynote Speaker of the event, Mr D V Pichamuthu, Former Council Member, IEI and

Former Managing Director, Almore Magnesite Limited explained the history of Royal Charter, details of Royal Charter granted to other universities and its present status. Earlier, Dr Enti Ranga Reddy, Honorary Secretary, Karnataka State Centre, IEI welcomed the Keynote speaker and all the members and at the end, proposed the vote of thanks.

LOCAL CENTRES

Agra

Agra Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Agra. Chief Guest of the event, Prof Manu Pratap Singh, Director, Institute of Engineering and Technology,



Dr Bhim Rao Ambedkar University, Khandari spoke on machine intelligence, digital transformation, new generation machines and equipment, etc. Mr Devendra Singh Chaudhary, Honorary Secretary, Agra Local Centre, IEI welcomed all present in the programme and at the end, proposed the vote of thanks.

Aligarh



Aligarh Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Aligarh. Prof S H Mohsin, Director, Shivdan Singh Institute of Technology

& Management (SSITM), Aligarh welcomed the Chief Guest of the event, Mr Shiv Kumar Mittal, Entrepreneur. At the end, Prof (Dr) Nadeem Khalil, Honorary Secretary, Aligarh Local Centre, IEI proposed the vote of thanks.

Bareilly

Bareilly Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Bareilly. Speakers of the event were Mr Mahendra Kumar Agarwal, Honorary Secretary, Bareilly Local Centre, IEI, Mr B S Bajwa, Past Honorary

Secretary, Bareilly Local Centre, IEI and other dignitaries. Mr K B Agarwal, Past Chairman, Bareilly Local Centre, IEI explained Royal Charter as an instrument of incorporation, granted by the King, which confers independent legal personality of an organisation. At the end, Mr Mahendra Kumar Agarwal, Honorary Secretary, Bareilly



Local Centre, IEI proposed the vote of thanks.

Belagavi

Belagavi Local Centre, IEI observed Royal Charter Day on 10 September 2022 at Belagavi. An invited talk was organised on the topic 'Lean Management for Engineers'. Speaker of the event, Mr C B Hiremath, Former Superintendent Engineer, Public Works Department, Government of Karnataka explained to the august gathering about the importance and history of the Royal Charter Day as well as present day observation. Dr Poornima M Charantimah, Professor Emeritus, IEMS B School, Hubli, Karnataka and Former Chairman, Belagavi Local Centre, IEI explained the lean concept and lean manufacturing. Earlier, Dr Devendrappa Kenchakkanavar Veeranna, Honorary Secretary, Belagavi Local Centre, IEI welcomed the gathering and at the end, proposed the vote of thanks.

Bhimavaram

Bhimavaram Local Centre, IEI observed Royal Charter Day on 09 September 2022 through online mode. The program was started with the opening remarks delivered by Dr Karanam Suresh Babu, Honorary Secretary, Bhimavaram Local Centre, IEI. Speaker of the event, Dr K Brahma Raju, Professor and Head, Department of Mechanical Engineering, S R K R Engineering College, Bhimavaram and Member, Mechanical Engineering Division Board, IEI elaborated various regulations of IEI and explained the role of professional bodies for the development of the society.

Coimbatore

Coimbatore Local Centre, IEI observed Royal Charter Day, in association with Department of Metallurgical Engineering, PSG College of Technology and The



Indian Institute of Metals (IIM), Coimbatore Chapter on 09 September 2022 at Coimbatore. A technical lecture was organized on this occasion on the topic 'Torque Density in Wind Gearboxes'. Guest Speaker of the event, Mr K Sreenivas Naidu, General Manager (R&D), ZF Wind Power Coimbatore Private Limited, Coimbatore delivered lecture on the said topic and explained casting design, mechanism, advancements, various application, etc for the manufacture of wind gear boxes. Earlier, Dr J Krishnamoorthi, Honorary Secretary, Coimbatore Local Centre, IEI welcomed the Guest Speaker and the participants and briefed about the Royal Charter Day.

Dharwad

Dharwad Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Dharwad. Chief Guest of the event was Mr Shankaragouda F Patil, Chief Engineer, Communication and Buildings (North Zone), Dharwad. Mr



Vijaykumar Hanamantappa Totiger, Chairman, Dharwad Local Centre, IEI in his presidential remarks briefly mentioned the purpose of engineering to innovate, design, create and maintain products, systems and equipments for the benefits of mankind. At the end, Mr Sidlingappa Sangappa Kerur, Honorary Secretary, Dharwad Local Centre, IEI proposed the vote of thanks.

Durgapur

Durgapur Local Centre, IEI observed Royal Charter Day on 09 September 2022 through online mode. Chief Guest and Keynote speaker of the event, Dr Nilanjan Sengupta, Former Director (Technical), IEI, Former DGM (ID&M), Webel and Former Senior Deputy Manager, CESC Limited briefly discussed the history and provisions of Royal Charter. Guest of Honour of the event, Prof H B Goswami, Former Deputy General Manager, SAIL-DSP, Former Professor, DIATM Rajbandh, Past Chairman, Durgapur Local Centre and Former Council Member, IEI discussed that IEI is a 'Body Corporate' protected under Article 372 of the Constitution of India. Earlier, Mr Safikul Islam, Chairman, Durgapur Local Centre, IEI delivered welcomes address and shared his views on Royal Charter. At the end, Mr Manas Majumder, Honorary Secretary, Durgapur Local Centre, IEI proposed the vote of thanks.

Faridabad

Faridabad Local Centre, IEI observed Royal Charter Day on 9 September, 2022 at Faridabad. An Expert Talk was delivered on the occasion by Mr D K Dewan, Advisor, Maruti Suzuki India Limited on the topic 'Root Cause Analysis'. The Speaker explained applications of Pareto Analysis, Fish Bone Diagram, Scatter Diagram, Faliure Mode and Effect Analysis (FMEA) etc. Earlier, Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI welcomed all the participants and discussed the brief history of royal charter along with institutional activities. At the end, Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Gwalior

Gwalior Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Gwalior. A seminar was organized on the occasion. Speakers of the event were Mr U S Pandey, Retired SE-PHE, Government of Madhya Pradesh; Mr Rajender Singh, Director, DMT&A; Dr P K Singhal, HoD, Electronics Engineering Department, Madhav Institute of Technology and Science [MITS], Gwalior and Col A S Bais, (Retired) Indian Army. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre, IEI delivered the welcome address. At the end, Mr P Y Khanvilkar, Honorary Secretary, Gwalior Local Centre, IEI proposed the vote of thanks.



Jamshedpur

Jamshedpur Local Centre, IEI observed Royal Charter Day on the topic 'National Education Policy 2020: An Overview' on 09 September 2022 through online platform. Prof Anil Kumar Choudhary, Professor, Civil Engineering Department, National Institute of Technology Jamshedpur discussed on National Educational Policy 2020 Earlier, Mr Probal Ghosh, Chairman, Jamshedpur Local Centre, IEI and V P (Shared Services), Tata Steel delivered welcome address. At the end, Mr Shanti Das Bhattacharjee, Honorary Secretary, Jamshedpur Local Centre, IEI proposed the vote of thanks.

Kanpur

Kanpur Local Centre, IEI observed Royal Charter Day in association with Uttar Pradesh Textile Technology Institute, Kanpur; Old Boys Association and The Textile Association (India), U P Unit on 12 September 2022 at UPTTI, Kanpur. Chief Guest and Invited Speaker of the event was Mr Harish Goswami,



Chairman, Tex Tone Industries Limited, Baroda. Prof (Dr) Sadhan Chandra Ray, Chairman, Textile Engineering Division Board, IEI was the Guest of Honour

of the function. The program was attended by number of professionals from industry and academia. At the end, Mr Rama Kant Yadav, Honorary Secretary, Kanpur Local Centre, IEI proposed the vote of thanks.

Kochi

Kochi Local Centre, IEI, in association with Kerala State Centre and the Local Centres of Kerala observed Royal Charter Day in online mode on 09 September 2022. Mr Salahudheen P A, Chairman, Kochi Local Centre, IEI delivered the welcome address; Prof (Dr) M Jayaraju, Chairman, Kerala State Centre, IEI delivered presidential address and Prof Sunil Kumar C P, Chairman, Trichur Local Centre, IEI briefly discussed about the importance of the day. Mr V B Singh, Vice President, IEI, and Dr M P Sukumaran Nair, Director of Centre for Green Technology and Management graced the virtual event with their august presence. At the end, Mr Madhana Mohan K, Chairman, Palghat Local Centre, IEI delivered the vote of thanks.

Kolar

Kolar Local Centre, IEI observed Royal Charter Day on 09 September 2022 through hybrid mode. Dr Manjunatha Babu N S, Honorary Secretary, Kolar Local Centre, IEI delivered the welcome address and discussed about the importance of Royal Charter Day. Dr Rajan Babu A, Chairman, Kolar Local Centre, IEI welcomed the members present online and offline and highlighted the importance of Royal Charter Day. Guest Speaker of the event, Dr Jenitha A, Associate Professor, Department of Electronics and Communication Engineering, Dr T Thimmaiah Institute of Technology, Oorgaam delivered lecture on the topic 'Artificial Intelligence and Its Advancement in Various Fields'. Dr Mohan Kumar K, Honorary Joint Secretary, Kolar Local Centre, IEI proposed the vote of thanks.



Kollam

Kollam Local Centre, IEI observed Royal Charter Day 2022 in association with Baslios Mathews II College of Engineering (BMCE), Sasthancotta on 13 September 2022 at Sasthancotta, Kollam. Mr K Rajan, Chairman, Kollam Local Centre, IEI inaugurated the program and discussed about the importance of Royal Charter Day. Mr Thomas Varghese, Director, BMCE and Dr Simon K John, Head, Computer Science Department, BMCE, Mr Sreekumar R, Assistant Professor, Mechanical Engineering Department, BMCE, delivered speeches. Dr Simon K John, Wg Cdr. (Retd) and Emeritus Scientist, DRDO delivered lecture on 'Industrial Engineering Concepts and Success in Career'.



North Bengal

North Bengal Local Centre, IEI observed Royal Charter Day 2022 on the theme 'Quality Assurance and Quality Control' on 09 September 2022 at Jalpaiguri.

Prof (Dr) Sudip Mukherjee, Chairman, North Bengal Local Centre, IEI discussed on Quality Assurance (QA) and Quality Control (QC) and at the end, proposed the vote of thanks.



Rourkela

Rourkela Local Centre, IEI observed Royal Charter Day 2022 on 09 September 2022 through online mode. Speaker of the event, Dr S K Patel, Professor, Department of Mechanical Engineering, National Institute of Technology Rourkela discussed about the Royal Charter and its significance and eminence, provides the responsibility to promote the general advancement of engineering amongst its members and persons attached to Institution. Earlier, Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI welcomed the guests, members and participants. At the end, Dr Rama Chandra Pradhan, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.

Roorkee

Roorkee Local Centre, IEI observed Royal Charter Day 2022 on 09 September 2022 at Roorkee. The welcome address was delivered by Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI. Speaker of the event, Prof S K Singh, Chief Scientist and Head, PPC Group, CSIR-CBRI, Roorkee delivered lecture on 'Sustainable Construction: Opportunities and Challenges', emphasized pertinent issues in construction sector; application of emerging technologies, which include smart glass; cool roofs, solar panels, concrete production, etc. At the end, Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI proposed the vote of thanks.



Saurashtra

Saurashtra Local Centre, IEI observed Royal Charter Day 2022 in association with Atmiya University, Rajkot on 09 September 2022 at Rajkot. Dr Ashish M Kothari, Deputy Registrar, Atmiya University, Rajkot delivered lecture on the 'Artificial Intelligence and Machine Learning' and explained the need of advanced technology in today's industry. Prof (Dr) Sarang Sadashiv Rao Pande, Chairman, Saurashtra Local Centre, IEI and Professor, Marwadi

University, Rajkot delivered lecture on the theme 'Future Option for an Engineering Graduate' and opined how to improve skills for the future profession. At the end, Mr D V Suchde, Chairman, Activity Sub Committee, Saurashtra Local Centre, Rajkot, IEI proposed vote of thanks.

Udaipur

Udaipur Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Udaipur. In the beginning, Keynote Speaker of the event, Mr Anurodh Prashant Sharma, Immediate Past Chairman, Udaipur Local Centre, IEI discussed briefly about the importance of Royal Charter to IEI as a great recognition. Mr Anirudh Singh Choondawat, Past Chairman, Udaipur Local Centre, IEI also discussed on 'Royal Charter'. Earlier, Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Keynote speaker of the event and the participants.



Vadodara

Vadodara Local Centre, IEI observed Royal Charter Day on 09 September 2022 at Vadodara. Speaker of the event, Dr C S Buch, Consultant Physician, CompuMed Cyberlaw Consultant discussed on the role of engineers and doctors in the society. Earlier, Mr Ambikesh Natvarlal Padhya, Chairman, Vadodara Local Centre, IEI welcomed the participants. At the end, Mr Keyurkant Manibhai Thakkar, Honorary Secretary, Vadodara Local Centre, IEI proposed the vote of thanks.



IEI Celebrates World Habitat Day

Contd. from page 9

Rourkela

Rourkela Local Centre, IEI observed World Habitat Day 2022 on 20 October 2022 on hybrid mode. Speaker of the event, Dr Ramakrishna Biswal, Assistant Professor, Department of Humanities and Social Sciences, National Institute of Technology, Rourkela delivered lecture on the theme and briefed about the objective of this day. Earlier, Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI welcomed the members and guests. At the end, Dr Rama Chandra Pradhan, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.

Tirunelveli

Tirunelveli Local Centre, IEI observed World Habitat Day 2022 on 06 October 2022 at Tirunelveli. Prof (Dr) R Velayutham, Chairman, Tirunelveli Local Centre, IEI delivered the welcome address. Speaker of the event, Dr S Sangarajan, Manager, Innovate Services, Chennai, Tamilnadu delivered lecture on the theme. At the end, Mr E Sivaganesh, Joint Secretary, Tirunelveli Local Centre, IEI proposed the vote of thanks.



Udaipur

Udaipur Local Centre, IEI observed World Habitat Day 2022 on 14 October 2022 at Udaipur. Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI and Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Speaker of the event, Mr Ajay Mehta, Resident Engineer,

Rajasthan Housing Board, Udaipur/Chittorgarh, guests and participants. Speaker of the event, Mr Ajay Mehta, Resident Engineer, Rajasthan Housing Board, Udaipur said that providing affordable housing to all underprivileged people in the world is a challenge. At the end, Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI proposed for vote of thanks.



Upper Assam

Upper Assam Local Centre, IEI observed World Habitat Day 2022 in association with Duliayan Cycling Club, Duliayan, Assam on 09 October 2022 at Namrup. Chief Guest of the event, Mr Sarat Gogoi, SDC, Naharkatia Circle Office delivered lecture on this occasion. Guest of the Honours of the event, Mr Rajnesh Gogoi, Managing Director, Assam Petrochemicals Limited and Dr Durga Prasad Gogoi, Principal, Namrup College delivered lectures on the theme of the day. Mr Sasanka Pratim Deka, Chairman, Upper Assam Local Centre, IEI delivered concluding address to the august gathering. At the end, Mr Debajeet Sarma, Honorary Secretary, Upper Assam Local Centre, IEI and Officer, Fire and Safety, Assam Gas Company Limited (AGCL), Duliayan proposed the vote of thanks.



The reports on the technical activities held under the auspices of various State/Local Centres of the Institution during the year 2021-2022 have been circulated through these pages from time to time. The abridged versions of the Institution's Balance Sheet as at 31st March, 2022 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 2022

[Figures in Rs.]			
31.03.2021			31.03.2022
	SOURCES OF FUND		
11134,32,795	Permanent Reserve	11305,70,390	
3794,18,494	Capital Reserve	3867,79,206	
232,67,976	Revenue Reserve	232,67,976	
	Surplus from Income and		
11806,73,999	Expenditure Account	13189,04,254	
2540,61,271	Earmarked Fund	2491,88,082	
29508,54,535			31087,09,908
	APPLICATION OF FUND		
	Fixed Assets		
9252,52,873	Gross Block	9524,12,482	
3583,41,991	Less : Depreciation	3910,49,770	
5669,10,882	Net Block		5613,62,712
	Investment of P R Fund	11305,70,390	
8722,45,128	Other Investments	11383,76,944	
19856,77,923			22689,47,334
6812,08,780	Current & non Current Assets, Loans and Advances	4864,62,374	
2829,43,050	Less : Current & non Current Liabilities	2080,62,512	
3982,65,730	Net Current & non Current Assets/Liabilities		2783,99,862
29508,54,535			31087,09,908

ABRIDGED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2022

[Figures in Rs.]					
31.03.2021			31.03.2022		
R&D	Education	INCOME	R&D	Education	Total
528,06,858	132,01,714	Registration Fees	625,23,354	156,30,838	781,54,192
-	660,27,297	Examination Fees	-	1020,70,686	1020,70,686
-	3,38,024	Advertisement	-	2,92,242	2,92,242
1389,24,507	304,51,915	Income from Investments	1382,55,863	305,36,024	1687,91,887
17,57,878	4,37,629	E-Learning solution etc.	47,079	11,520	58,599
243,93,274		National Conventions/ Seminars, Technical Activities etc.	144,58,115		144,58,115
215,54,613	53,88,653	Hall/Retiring Room Rent etc.	299,14,736	74,78,683	373,93,419
169,28,461	38,28,377	Other Income	177,56,483	41,43,017	218,99,500
2563,65,591	1196,73,609		2629,55,630	1601,63,010	
3760,39,200		Sub-Total			4231,18,640
3760,39,200		Total Income			4231,18,640
		EXPENDITURE			
1271,17,676	741,63,531	Salaries and Staff Expenses	999,14,562	662,65,802	1661,80,364
26,76,844	6,69,211	Printing and Stationery	27,25,148	6,81,287	34,06,435
	154,21,032	Direct Expenses for Exam.		162,32,102	162,32,102
6,24,012		Technical Publications	7,29,185		7,29,185
95,62,000		Expenses on National Conventions, Seminars, Technical Activities etc.	116,02,979		116,02,979
6,31,142		Prize Awarded & Lectures	14,13,675		14,13,675
37,19,752	9,29,938	Postage, Telephone & Telex	26,30,946	6,57,737	32,88,683
72,33,850	18,08,463	Electricity	74,90,267	18,72,567	93,62,834
135,91,158	33,97,790	Rent, Rates & Taxes	177,66,312	44,41,579	222,07,891
46,89,111	11,72,278	Legal Expenses	31,47,820	7,86,954	39,34,774
40,205		Election Expenses	4,90,266		4,90,266
18,68,949	4,67,237	Audit Fee	20,10,837	5,02,709	25,13,546
3,69,196	92,299	Internal Audit Fee	4,69,216	1,17,304	5,86,520
131,16,991	32,79,248	Repairs and Maintenance	109,35,993	27,33,998	136,69,991
18,33,900	5,258	Meeting Expenses	90,99,687	44,486	91,44,173
		Travelling Expenses			
2,96,093	1,65,635	i) Council Members	35,66,976	11,26,150	46,93,126
10,79,330	2,69,832	ii) Others	20,50,653	5,12,664	25,63,317
5,98,316	1,49,579	Subscription to Other Institutions	5,07,572	1,26,893	6,34,465
15,55,462	3,88,866	Computer Expenses	20,24,985	5,06,247	25,31,232
113,13,898	28,28,473	Miscellaneous Expenses	109,02,458	27,25,613	136,28,071
2,28,850	6,18,441	Expenses for Libraries	60,196	1,50,159	2,10,355
17,76,276		Grant to Peripheral Bodies	33,15,260		33,15,260
422,73,683		Depreciation	327,84,617		327,84,617
17,48,126		Bad Debts written off	3,57,023		3,57,023
2479,44,820	1058,27,111	Sub-Total	2259,96,633	994,84,251	3254,80,884
		Prior Period Expenses , Appropriation to Capital			
2406,29,278		Expenditure Fund & exceptional items			(405,92,499)
5944,01,209		Total Expenditure			2848,88,385
3760,39,200		Total Income			4231,18,640
5944,01,209		Total Expenditure			2848,88,385
(2183,62,009)		Surplus (+)/ Deficit (-)			1382,30,255
13990,36,008		Balance brought forward from previous year			11806,73,999
11806,73,999		Balance carried to Balance Sheet			13189,04,254

INDEPENDENT AUDITOR'S REPORT

To
The Members
The Institution of Engineers (India)

Report on the Financial Statements

Opinion

We have audited the accompanying financial statements of **The Institution of Engineers (India)** ("the Institution"), which comprise the Balance Sheet as at 31st March, 2022 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, including a summary of the significant accounting policies and other explanatory information (hereinafter referred to as "financial statements"), in which have been incorporated the returns/accounts received from the various State Centres and Local Centres (also collectively referred to as Centres) of the Institution for the year ended 31st March, 2022 as audited by other auditors and which have been relied upon by us, as mentioned in paragraph 6 of the Note to Accounts (Schedule 13).

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements of the Institution give the information in accordance with the generally accepted accounting principles and the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and read with the Other Matters paragraph below, give a true and fair view of the state of affairs of the Institution as at March 31, 2022 its surplus and its cash flows for the year ended on that date.

Basis for Opinion

We conducted our audit of the financial statements in accordance with the Standards on Auditing (SA) issued by the Institute of Chartered Accountants of India. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Institution in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India (ICAI) together with the independence requirements that are relevant to our audit of the financial statements and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ICAI's Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

Management's Responsibility for the Financial Statements

The Management is responsible for the preparation of these financial statements that give a true and fair view of the state of affairs and result of operation of the Institution in accordance with the accounting principles generally accepted in India, including the applicable Accounting Standards. This responsibility also includes maintenance of adequate accounting records for safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments 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 statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparation of the financial statements, Going Concern assumption is based on the management's assessment depending on evaluation of the aforesaid matters of the Institution.

The management of the Institution is responsible for overseeing the Institution's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee

that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal financial controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Institution's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the Institution to express an opinion on the financial statements. We are responsible for the direction, supervision and performance of the audit of the financial statements of the Institution of which we are the independent auditors. For the financial statements of the branches incorporated in these financial statements which has been audited by other auditors, such other auditors remain responsible for the direction, supervision and performance of the audit carried out by them. We remain solely responsible for our audit opinion.

Materiality is the magnitude of misstatements in the financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the result of our work; and (ii) to evaluate the effect of any identified misstatements in the financial statements.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

Other Matters

- a) We did not audit the financial statements of 124 centres that are included

in the financial statements of the Institution, whose financial statements reflect total assets of Rs.116,30,71,791/- as at 31st March, 2022 and total revenues of Rs.8,60,65,037/- for the year ended on that date. 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) 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 investments and note no.12 of the aforesaid schedule.
- c) Report of other auditors of the various Centres who have reported, inter-alia, on certain matters as mentioned in Schedule 12.
- d) Attention is invited to Note No. 11 in Schedule – 13 asserting no fresh admission w.e.f 11.02.2020, pending pronouncement of judgment by Delhi High Court. It may be pointed out herein that adverse pronouncement by Hon'ble Court may prejudicially impact the revenues of the Institution. However the management has taken the necessary steps to reduce its expenditures to match the revenues.

Our opinion is not modified in respect of these matters.

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 2016 ('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.

We further report that:

- a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;
- b. 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;
- c. 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.
- d. The reports on the accounts of the Centres audited by the various Centre auditors have been sent to us and have been properly dealt with by us in preparing this report.
- e. 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 G. BASU & CO

Chartered Accountants

Firm Registration No. 301174E

Sd/-

P. Bagchi

Partner

Membership No. 051524

UDIN: 22051524ATOTNZ2004

Place : Kolkata

Date: 16th September, 2022

SCHEDULE-12

ANNEXURE TO AUDITOR'S REPORT REFERRED TO IN PARAGRAPH (C) OF OTHER MATTERS OF OUR REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA) ON THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31-03-2022 (BASED ON THE REPORT OF OTHER AUDITORS)

1. AGRA LOCAL CENTRE

The name of Agra Local Centre is not included as an additional place of business in FORM REG-6 of GST ACT and is not provided by the State Centre.

2. ALWAR LOCAL CENTRE

- Fixed Asset register not maintained properly.
- The name of this centre is not included in the State Centre as an additional place of business under GST Act.

3. AMRAVATI LOCAL CENTRE

- Investments are not verified physically.
- TDS of ₹ 1,435 under section 194C of Income Tax Act, 1961 not deposited to the government.
- Capital Expenditure of ₹ 1,91,054 incurred in cash under Capital Expenditure Work-in-Progress head which is not allowed in excess of ₹ 10,000 as per Income tax Act, 1961.

4. ANDAMAN AND NICOBAR STATE CENTRE

- Tax invoice / Bills of Supply not issued regularly for all taxable / exempted services.
- Outward / Inward register is not maintained properly.

5. ANGUL LOCAL CENTRE

- Tax invoice / Bills of Supply not issued regularly for all taxable / exempted services.
- Outward / Inward register is not maintained properly.

6. ARUNACHAL PRADESH STATE CENTRE

The State Centre has not taken registration under GST Act hence no Local Centre is added as an additional place of business under GST Act and Rules.

7. ASANSOL LOCAL CENTRE

No external confirmation for the year-end balances with bank have been obtained for verification.

8. ASSAM STATE CENTRE

Fixed Asset register is under updation.

9. BELAPUR LOCAL CENTRE

- Fixed asset register is not produced for verification.
- Cash balance has not been verified physically.
- Outward / Inward register is not produced for verification.
- Balance of ₹ 4,76,197.66 of Bank of India (A/C No. 845710110009274) is not being reflected in the books of accounts of the centre. As explained by the management, this account does not belong to Belapur Local Centre.

10. BATHINDA LOCAL CENTRE

- TDS from Salary, contractors' bill, etc. are not being deposited regularly as per Income Tax Rules.
- Centre has not submitted monthly / annual returns regularly within due dates.

11. BHILAI LOCAL CENTRE

- Title deed of leasehold land is not verified. The deed expired on 18th February, 2003 and the same has not been renewed till date. No alternative document was produced for verification. BSP has terminated the lease w.e.f 19/06/2010 and the same has not been renewed.
- TDS from Contractors' Bill has not been deposited with the government.

- GST registration is surrendered w.e.f 01/01/2021 but centre has received taxable income on which liability is ₹ 55,394 shown as 'GST Payable' in the books as on 31/03/2022 and the same is to be paid to the department by taking new registration under GST along with interest as applicable.

- No tax invoice / Bill of supply is issued by centre in relation to service on which GST is payable.

12. BIHAR STATE CENTRE

The State Centre has not been submitting monthly / annual returns regularly within the due dates.

13. FARIDABAD LOCAL CENTRE

Lease deed or title deed of land is not valid.

14. GHAZIABAD LOCAL CENTRE

- Lease deed has expired on/after 30/06/2021 and thus it is not valid.
- Cash Balance is not physically verified.
- GST registration certificate has not been produced for verification.

15. HOSUR LOCAL CENTRE

Certificate for verification of under-construction building has not been obtained.

16. JABALPUR LOCAL CENTRE

- Fixed Assets of the centre were not physically verified.
- Advance of ₹ 27,785 remains unutilized/unadjusted for a significant period of time.
- The name of Jabalpur Local Centre has not been included as an additional place of business by the M P State Centre in Form REG-06 of GST Act.
- Contingent Liability towards 50% of Bank Wages of Ex-temporary worker, Mr Kailash Sen is not yet ascertained.
- The Bye-Laws of Royal Charter, in respect of Cash-in-hand has not been followed.
- There is a deficit of 60% in allocation of Manpower Expenses in accordance with Head Office.

17. JAMSHEDPUR LOCAL CENTRE

Title deed of land has not been made hence not verified.

18. JHARKHAND STATE CENTRE

₹ 4,000 paid to Vinod Lohra on 04/03/2022 as Salary Advance has not been adjusted till 31/03/2022.

19. KANPUR LOCAL CENTRE

Lease deed expired on 26/10/2017 and has not been renewed till date and thus not verified.

20. KERALA STATE CENTRE

- GSTR 9 and GSTR 9C has not been submitted for the FY 2021-22.
- A Case has been filed by IEI Kerala State Centre, as an amount of ₹ 3,22,38,652 has been raised and demand for lease rent and a stay order has been issued by Hon'ble High Court of Kerala vide Order No. WP (C) No. – 18931/2016 (N), dated 29/08/16.

21. LUDHIANA LOCAL CENTRE

Fixed asset register not produced for verification.

22. MADHYA PRADESH STATE CENTRE

Due to non-compliance of the provisions of GST Act, registration of the State Centre got suo motto cancelled.

23. MEGHALAYA STATE CENTRE

GSTR-9 and GSTR-9C not submitted for FY 2021-22.

24. PUDUCHERRY STATE CENTRE

Cash Balance, Original Fixed Deposit Certificates and Investments have not been physically verified.

25. PUNE LOCAL CENTRE

- Capital WIP of ₹ 3,06,100 reflected in books is long pending.
- TDS on interest ₹ 78,830 is not reconciled with the Income Tax Department.

26. SIKKIM STATE CENTRE

Fixed Assets were not physically verified.

27. SOLAPUR LOCAL CENTRE

IT TDS is lying unadjusted in the books of accounts for the FY 2021-22.

28. TIRUNELVELI LOCAL CENTRE

External confirmation for all the year-end balances with bank not obtained directly from bank/financial institutions.

29. TIRUPATI LOCAL CENTRE

Outward / Inward register is not maintained properly.

30. UPPER ASSAM LOCAL CENTRE

- Cash Balance has not been physically verified.

- The centre has not deducted TDS under section 194C of Income Tax Act, 1961 in respect of the payment made to InfoTech Computers.

- The centre has purchased goods/services from unregistered person exceeding ₹ 5,000 per day.

- Outward / Inward register is not maintained by the centre properly.

31. UTTAR PRADESH STATE CENTRE

No external confirmation have been directly received from banks for all the year-end balances with banks.

32. VADODARA LOCAL CENTRE

TDS has not been deducted under section 194J on account of Writing Charges paid of ₹ 36,000.

33. FOLLOWING CENTRES HAVE NOT ATTACHED ANNEXURE III TO THEIR AUDIT REPORTS

Kalpakkam Local Centre, Manipur State Centre and Pilani Local Centre.



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
(IMS [ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018],
ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution)

Continuing Professional Development Programmes (CPDPs) for the Month of December 2022

Sl. No.	Name of the Course	Scheduled Dates
1.	Environmental Damage Assessment & Remediation Plan	05 – 07 Dec
2.	Fundamentals of successful Project Management for scientists and Engineers	05 – 07 Dec
3.	GEM Procurement Procedures – Gem Account operation from Basic to expertise (Buyer module)	05 – 09 Dec
4.	Modernization of Irrigation Systems using Latest Technologies	05 – 09 Dec
5.	Super Critical and Sub Critical Boilers; Issues and Challenges of Cooling Water Chemistry in Power Plants and Process Industries	06 – 09 Dec
6.	Quality & Reliability Management	07 – 09 Dec
7.	Cyber Security tools & Security Audit	07 – 09 Dec
8.	Automations and Controls	12 – 14 Dec
9.	Non-Destructive Testing and Failure Analysis of Castings, Forging, Weldments and Tubes	12 – 15 Dec
10.	Big Data Analytics using Hadoop & PySpark	12 – 16 Dec
11.	Pumps Operation, Maintenance and Performance Monitoring for Power Plant Applications	13 – 15 Dec
12.	Principles & Practices of Sustainable Mining & Climate Adaptive Approaches.	14 – 16 Dec
13.	Furnaces controls and calibration procedures with reference to AMS 2750F	19 – 21 Dec
14.	IT Tools & Techniques for Office Administration	19 – 21 Dec
15.	Certified Internal Auditor Training for Integrated Management System (IMS) (ISO 9001 QMS, ISO 14001 EMS & OHSMS 45001)	19 – 22 Dec
16.	Strategies for More Crop for Drop of Water	19 – 22 Dec
17.	Innovation In Concrete: Testing & its Applications and Green Building Materials (New)	19 – 23 Dec
18.	Water Audit & Software – Urban Water Management	20 – 22 Dec
19.	Strategic competitiveness through Supply Chain Design	20 – 22 Dec
20.	Smart meter Integration - PMU Asset Management in T&D Utilities	20 – 22 Dec
21.	Mine Geology & Advanced Exploration Techniques, Preparation of Geological Models & Reports	21 – 23 Dec
22.	Power Plant Chemistry for Chemists and Operation Engineers	28 – 30 Dec
23.	Dam Break Analysis using Latest Software	28 – 30 Dec

For detail information please contact:

Engineering Staff College of India

Old Bombay Road, Gachibowli, Hyderabad – 500 032

Landline : 040-66304100 & Mobile: +91 7337319038 / Email : mis@esci.org / URL : <https://esci.org>

The e-edition is available at www.ieindia.org

Old Volume 72

I.E.I NEWS
November 2022

Hundred-and-second Annual General Meeting of The Institution of Engineers (India)

PROCEEDINGS

The 102nd Annual General Meeting (AGM) of The Institution of Engineers (India) was held at 1700 hrs on 27 Dec 2021 at Vigyan Bhawan, Maulana Azad Road, New Delhi-110003.

Attended by 149 Corporate Members, the meeting was chaired by Mr Narendra Singh, FIE, President, IEI. The President welcomed the Past Presidents, President-elect and Corporate members of IEI present at the meeting.

On being invited by the President, the Secretary and Director General read out the Notice of the meeting published in November 2021 issue of IEI News.

ITEM 1 Confirmation of Minutes of the 101st Annual General Meeting held on 28 Feb 2021 at Dehradun

The Minutes of the 101st Annual General Meeting held on 28 Feb 2021 at Dehradun have been circulated in the March 2021 issue of IEI News, [Vol. 27, No. 12]. President invited comments on the Minutes from the members present.

The Corporate Members present unanimously Resolved that the Minutes of the 101st Annual General Meeting of The Institution of Engineers (India) held on 28 Feb 2021 at Dehradun 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 on 31 March 2021

(a) Annual Report

President invited comments from the members present on the Annual Report of the Council for the year 2020-2021 as circulated.

The Corporate Members present unanimously Resolved that the Annual Report of the Council for the year 2020-2021 be received.

(b) Audited Accounts

President then invited comments on the Audited Accounts of The Institution of Engineers (India) for the year ended on 31 March 2021.

The Corporate Members present unanimously Resolved that the Audited Accounts of The Institution of Engineers (India) for the year ended on 31 March 2021 be received.

ITEM 3 To receive the report on the composition of the Council for the Session 2021-2022

On being requested by the President, the Secretary and Director General reported the following composition of the Council for the Session 2021-2022:

Dr Hemant O Thakare, 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 2021-2022:

Narendra Singh

Dr T M Gunaraja

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

The Corporate Members elected to the Council from the following State Centres for sessions 2021-2022 to 2024-2025 shall be Members of the Council for its Session 2021-2022:

Elected for the Sessions 2021-2022 to 2024-2025:

Gujarat	::	Sandeep B Vasava
Karnataka	::	Dr M Chowde Gowda
Maharashtra	::	Manish Mahendra Kothari
Odisha	::	Prof (Dr) Khiroda Kumar Rout
Tamilnadu	::	Dr G Ranganath
Telangana	::	M Shyamprasad Reddy
Uttar Pradesh	::	V B Singh

As election from Andhra Pradesh State Centre to the Council could not be conducted under this Bye-Law, co-option to the Council for session 2021-2022 may be done under provision of Regulation 17.

The Corporate Members elected to the Council from the following State Centres shall continue as Members of the Council for the Session 2021-2022:

Elected for the Sessions 2019-2020 to 2022-2023 and with term extended upto 2023-2024:

Haryana	::	Ashwani Kumar Sharma
Punjab & Chandigarh	::	Sukhvir Singh Mundi

Elected for the Sessions 2018-2019 to 2021-2022 and with term extended upto 2022-2023:

Bihar	::	Dr Arun Kumar Shrivastava
Jharkhand	::	Shivanand Roy
Madhya Pradesh	::	Rakesh Kumar Rathore
Rajasthan	::	Dr S K Calla
West Bengal	::	S K Banerji

Elected for the Sessions 2017-2018 to 2020-2021 and with term extended upto 2021-2022:

Kerala	::	V Vijayachandran Nair
--------	----	-----------------------

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

The following elected members from 15 Engineering Divisions for the Sessions 2021-2025 shall become members of the Council for the Session 2021-2022:

Aerospace (1)	::	Dr Venkitakrisnan P V
Agricultural (1)	::	Prof (Dr) Nemichandrappa M
Architectural (1)	::	Sandip Kumar Deb
Chemical (2)	::	Dr Raghupatruni Bhima Rao
		Prof (Dr) Ms Shilpa Tripathi
Civil (5)	::	M Nagaraj
		Dr I Satyanarayana Raju
		P Surya Prakash
		Dr S M Goel
		Anil Joseph
Computer (2)	::	Amit Kumar Das
		Prof (Dr) Chandrashekara S N

Electrical (4)	::	R R Tanwar S Dharmalingam A Sekar K K Gopalakrishnan Nair
Electronics & Telecommunication (4)	::	Dr (Ms) G Padmavathi Prof (Dr) G S Mundada Dr Alok Nath De S S Mutha
Environmental (1)	::	J C Singhal
Marine (1)	::	Cdr B M Bhandarkar
Mechanical (5)	::	Dr Enti Ranga Reddy Prof (Dr) K Venkatasubbaiah Prof (Dr) Brahma Raju K Sajjan Singh Yadav Dr R Venkatesan
Metallurgical & Materials (1)	::	K K Mehrotra
Mining (1)	::	Prof (Dr) Netai Chandra Dey
Production (1)	::	Dr Seeram Satyanarayana
Textile (1)	::	Dr Sadhan Chandra Ray

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

By virtue of being Chairmen of the following State Centres for the Sessions 2021-2022 and 2022-2023, following persons have become ex-officio members of the Council for its Session 2021-2022:

Andaman & Nicobar	::	M Sivaramasubramanian
Arunachal Pradesh	::	Toli Basar
Assam	::	Nripendra Nath Patwari
Bihar	::	Bhupendra Nath Singh
Chhattisgarh	::	Dr V K Pandey
Goa	::	G H Karkare
Gujarat	::	P M Chaudhary
Jammu & Kashmir	::	Dr R A Khan
Jharkhand	::	M I Alam
Karnataka	::	M Lakshmana
Kerala	::	Ashok Kumar K
Maharashtra	::	Mahendra Ratanlal Kothari
Manipur	::	W Homendra Singh
Meghalaya	::	E Lyngdoh
Mizoram	::	K Lalsawmvela
Odisha	::	Dr Bhagyadhar Bhoi
Puducherry	::	Prof (Dr) B Radjaram
Rajasthan	::	Gunjan Saxena
Tamilnadu	::	S Kannan
Telangana	::	B Brahma Reddy
Uttarakhand	::	Dharm Chandra
Uttar Pradesh	::	Masarrat Noor Khan

Election to the office of Chairman, West Bengal State Centre for sessions 2021-23 could not be held as the matter is sub-judice. The Chairman-elect, Delhi State Centre shall assume office on the date of the AGM of the Centre and shall become ex-officio member of the Council subsequently, as per Regulation 7(a).

By virtue of being Chairmen of the following State Centres for the Sessions 2019-2020 and 2020-2021, following persons whose terms stand extended

upto 2021-2022 shall continue as members of the Council for its Session 2021-2022:

Andhra Pradesh	::	Dr K H Reddy
Haryana	::	Dr (Ms) V K Gupta
Himachal Pradesh	::	Pankaj Dadwal
Madhya Pradesh	::	Rajesh Bisaria
Nagaland	::	D A Shishak
Tripura	::	Chinmay Debnath
Punjab & Chandigarh	::	Sukhvir Singh Mundi
Sikkim	::	G P Sharma

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

By virtue of being elected as the Chairmen of the following Local Centres for the Sessions 2021-2022 and 2022-2023, the following persons have become members of the Council for its Session 2021-2022:

Belapur	::	K M Godbole
Coimbatore	::	Prof (Dr) S Shanmugam
Durgapur	::	Safikul Islam
Ghaziabad	::	R P Sharma
Kancheepuram	::	Prof (Dr) D Elango
Kochi	::	Salahudheen P A
Ludhiana	::	Daljit Singh
Madurai	::	Dr N Sivasubramanian
Mysore	::	B S Prabhakara
Nagpur	::	M A Pathak
Neyveli	::	Shaji John
Pune	::	Dr S B Zope
South Gujarat	::	Dr V J Gobarbhai
Tiruchirappalli	::	N Rajasekaran
Vadodara	::	Ambikesh Natvarlal Padhya

By virtue of being Chairmen of the following Local Centres for the Sessions 2019-2020 and 2020-2021, the following persons whose terms stand extended upto 2021-2022 shall continue as member of the Council for its Session 2021-2022:

Nashik	::	S K Khinvasara
Visakhapatnam	::	Dr B Venkataramana

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

Following four outstanding engineering personalities have been nominated as members of the Council for its Session 2021-2022:

1. Amitabha Ghoshal
2. Ram Niwas Rajpoot
3. Prof (Dr) Rakesh L Shrivastava
4. Prof (Dr) R Velraj

Further, Corporate Member shall be co-opted in the Council for the Session 2021-2022 under provision of Bye-Law 13.

ITEM 4 To appoint Auditors for the year 2021-2022 and to fix their remuneration

President proposed that Auditors M/s G Basu & Co., Chartered Accountants be appointed as Auditors of The Institution of Engineers (India) for the year 2021-2022 at a remuneration of Rs.3,00,000 + Taxes as applicable.

It was then Resolved that M/s G Basu & Co., Chartered Accountants, be appointed as Auditors of The Institution of Engineers (India) for the year 2021-2022 at a remuneration of Rs.3,00,000 + Taxes as applicable.

The meeting was declared closed at 1800 hrs.

IEI DIARY



Agricultural Engineering Division

One Day Seminar on **"Water Conservation Technologies – A Way forward for water related Sustainable Development Goals of United Nation"**

Hyderabad, February 04, 2023

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

Chemical Engineering Division

All India Seminar on **"Wastewater Treatment Systems: Water Efficient Technology and Opportunities"**

Coimbatore, December 22-23, 2022

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore 641004, Tamilnadu, [☎: 0422-2580733, E-mail: coimbatorelc@ieiindia.org]

Civil Engineering Division

One day workshop on **"Recent Developments and Techniques in Civil Engineering"**

Jamshedpur, December 10, 2022

The Honorary Secretary, IEI, Jamshedpur Local Centre, Subarnarekha Link Road, Sakchi, In between (Red Cross Society and TCE Building), Jamshedpur 831001

All India Seminar on **"Use of Green Technology in Road Construction"**

Ranchi, January 28-29, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

All India Seminar on **"Water Security: Challenges for Present and Future"**

Ranchi, February 25-26, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

Computer Engineering Division

Thirty-fifth National Convention of Computer Engineers on **"Cyber Security/Privacy"**

Bareilly, February 18-19, 2023

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieiindia.org]

All India Seminar on **"Recent Trends in Information and Communication Technology"**

Kanchepuram, March 15-16, 2023

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

Electrical Engineering Division

All India Seminar on **"Importance of Calibration and Concepts of Uncertainty Measurements as per ISO/IEC 17025:2017 Standards"**

Coimbatore, December 01-02, 2022

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore 641004, Tamilnadu, [☎: 0422-2580733, E-mail: coimbatorelc@ieiindia.org]

One Day Seminar on **"Industrial Automation"**

Kanchepuram, December 13, 2022

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

All India Workshop on **"Renewable Energy Integration with Energy Storage Systems"**

Tiruchirappalli, January 04-05, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirappallilc@ieiindia.org]

All India Workshop on **"Role of Power Converters and Drives for Electrical Vehicles"**

Tiruchirappalli, February 17-18, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirappallilc@ieiindia.org]

Electronics and Telecom. Engineering Division

All India Workshop on **"Design and Testing of Advanced Robots"**

Kanchepuram, December 01-02, 2022

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

One Day Seminar on **"Emerging Signal Processing Applications"**

Hyderabad, February 11, 2023

The Honorary Secretary, IEI, Telangana State Centre, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004, Telangana, [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

Marine Engineering Division

Thirty-sixth National Convention of Marine Engineers on **"Contemporary Developments in Maritime Technologies"**

Visakhapatnam, December 02-03, 2022

The Honorary Secretary, IEI, Visakhapatnam Local Centre, 43-18-22, "Visvesvaraya Bhavan", Venkatarajunagar, Railway Station Road, Visakhapatnam 530016 [☎: 0891-2947460; E-mail: visakhapatnamlc@ieiindia.org]

All India Seminar on **"Smart and Sustainable Marine Operations: Emerging Paradigm"**

Ranchi, January 07-08, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

All India Seminar on Proposed **"Port Bill 2022 & Its Implications in Maritime Logistics"**

Hyderabad, January 08-09, 2023

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

Mechanical Engineering Division

All India Seminar on **"Logistics and Supply Chain"**

Bareilly, December 01-02, 2022

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieiindia.org]

All India Seminar on **"Sustainable Development of Industries through Industry 4.0 Application"**

Belagavi, December 03-04, 2022

The Honorary Secretary, IEI, Belagavi Local Centre, Er S G Balekundry Marg, Shivabasava Nagar, Belagavi 590010 [☎: 0831-2470258, Mobile: 9141384358; E-mail : belagavilc@ieiindia.org; Web: www.ieilbelagavi.org]

Thirty-seventh National Convention of Mechanical Engineers on **"Advances in Battery Technologies for Electric and Hybrid Vehicles"**

Hyderabad, December 09-10, 2022
The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

All India Seminar on **"Energy Efficiency in Core Industries including Heating, Ventilation, Air Conditioning and Refrigeration Systems (HVAC&R) (EEHVACR - 2022)"**

Ranchi, December 17-18, 2022

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

All India Seminar on **"An Application and Performance Analysis of Refractories in the Thermal Power Plant"**

Bokaro Steel City, December 17-18, 2022

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City 827006, [☎: 06542-267227, E-mail : bokarolc@ieiindia.org, Web: www.bokarolc.org]

All India Workshop on **"Smart Manufacturing and Automation using Advanced Robotics"**

Kanchepuram, January 04-05, 2023

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

All India Seminar on **"Challenges and Opportunities in Electric Vehicles"**

Madurai, February 15-16, 2023

The Honorary Secretary, IEI, Madurai Local Centre, E r T M Jambulingam Bhavan, No 1, Vivekananda Nagar, 120 Feet Road, Surveyor Colony, K Pudur, Madurai 625007 [☎: 0452-4373067; E-mail: madurailc@ieiindia.org]

Thirty-eighth National Convention of Mechanical Engineers on **"Emerging Trends and Developments in Smart Manufacturing , Renewable Energy and Mechanical Systems Diagnostics/Design"**

Nagpur, September 08-09, 2023

The Honorary Secretary, IEI, Nagpur Local Centre, North Ambazari Road, Nagpur 440010, [☎: 0712-2525617, E-mail : nagpurlc@ieiindia.org]

Metallurgical & Materials Engg. Division

Thirty-fifth National Convention of Metallurgical & Materials Engineers **"Valuing Low-grade Ore and Waste: Challenges and Remedies"**

Durgapur, January 21-22, 2023

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205 [☎: 0343-2564770, E-mail: durgapurlc@ieiindia.org; Website: www.ieidurgapurlc.org]

Mining Engineering Division

All India Seminar on **'Sustainable Development of Mines - Role of Mining Technology'**

Ranchi, January 07-08, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile:

9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

Thirty-second National Convention of Mining Engineers on **"Occupational Health Problem and Remedial Measures in Mining Operation"**

Durgapur, December 03-04, 2022

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205 [☎: 0343-2564770, E-mail: durgapurlc@ieiindia.org; Website: www.ieidurgapurlc.org]

Production Engineering Division

Thirty-seventh National Convention of Production Engineers on **"Recent Trends and Future Direction in Production Engineering and Management: Vision 2030"**

Kolkata, June 16-17, 2023

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

Textile Engineering Division

Thirty-fifth National Convention of Textile Engineers on **"Resource Efficient Technologies in Textile Manufacturing"**

Kolkata, February 11-12, 2023

The Honorary Secretary, IEI, West Bengal State Centre,

8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail: wbsc@ieiindia.org]

Interdisciplinary Coordination Committee

All India Seminar on **"Data Analytics: End-to-End AI Solutions and Augmented Analytics"**,

Ranchi, December 10-11, 2022

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieiindia.org, Website: ieijscjharkhand.org]

All India Seminar on **"Role of Artificial Intelligence in Technological Advancements in Industry"**

Hyderabad, January 06-07, 2023

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

All India Seminar on **'Piped Distribution — Efficiency'**

Hyderabad, January 20-21, 2023

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieiindia.org, Website: www.ieitsc.org.in]

News-in-Brief

The following are the brief account of Technical Activities organised by various Centres

LOCAL CENTRES

Tirunelveli

Organized technical seminar on the topic 'Cyber Security' on 06 May 2022 through online mode. Speaker of the event, Dr N Vijaya, Associate Professor, Department of Computer Science and Engineering, K Ramakrishnan College of Technology, Trichy, Tamil Nadu deliberated on cyber crime, cyber crime awareness, cyber threats along with different types of cyber attack.

Trichur

Organized webinar on 'New Developments in Project Implementation Strategy in Post Covid Scenario' on 11 January 2022. Speaker of the event, Mr K Ajith Kumar, Executive Director, BPCL-Kochi Refinery, Ambalamughal, Kochi explained the challenges during Covid 19 in manufacturing, delivery, construction & commissioning. He explained that remote commissioning is possible with flexible scheduling with the help of AR wearable computer, digital inspection and virtual meetings.

Tuticorin

Organized lecture meeting on the topic 'Engineering Ethics and Skills Development for Mechanical Engineers' on 21 June 2022 at Tuticorin. Speaker of the event, Mr I E Irudayaraj, Director, Sacred Heart Institute of Engineering outlined several attributes such as language proficiency, integrity, time-management etc required to achieve skills.

Organized lecture meeting on the topic 'Steam System Performance in Thermal Power Plants' on 11 May 2022 at Tuticorin. Mr I Maria Michael Raj, Past Chairman, Tuticorin Local Centre, IEI emphasized the importance of boilers in power plants and huge energy impact caused by effective monitoring of boiler performance. Mr Chandra Prakash, TA, Tuticorin Thermal Power Station explained the process of power generation and various systems in steam network with their objectives. He also explained about the type of boilers, their merits and limitations, operation and maintenance of boilers by appropriate water treatment, periodic cleaning of boiler tubes to avoid overheating and failures.

Udaipur

Organized Seminar on 19 December 2021 on the topic 'Emerging Trends in Sustainable Manufacturing and Energy Systems' and Mr Y S Sardalia Memorial Lecture at Udaipur. Keynote Speaker of the event, Dr Sudhakar Jindal, Former Professor & Head, Department of Mechanical Engineering, College of Technology And Engineering [CTAE], Udaipur, presently Director, Geetanjali Institute of Technical Studies, Udaipur, deliberated on the topic 'Alternative Energy Systems' and opined that due to lack of availability of conventional sources, alternative energy systems resources need to be considered, fossil fuels have dominated the energy mix and the global greenhouse gas emissions are caused by the burning of fossil fuels for energy, imbalance the global climate as well as human health. He explained that renewable energy will play an important role to de-carbonize the energy systems and to reduce carbon emissions. He further added that hydroelectricity is the most important and widely used renewable source of energy. Keynote speaker of the event, Dr B L Salvi, Associate Professor, Department of Mechanical Engineering, CTAE, Udaipur, deliberated on the topic 'Additive Manufacturing and 3D Printing' and explained that this technology is particularly used in manufacturing and medicine for various purposes and supports the continuous rapid development of individual complex designs in electronics applications. Keynote Speaker of the event, Mr Krishna Kant Sharma, Former Scientific Officer/Scientist, Rajasthan Atomic Station, Nuclear Power Corporation of India Limited, deliberated on the topic 'Advance Heavy Water Reactors' and stated that the electrical energy is the basic need for the development of common man and in India is one of the top five power producing countries of the world. India's Integrated Energy Policy estimates that the share of nuclear power in the total primary energy mix. On this occasion, Er Y S Sardalia Memorial Lecture was delivered in the august presence of the Chief Guest, Er P S Talesara, Managing Director, Pyrotech Electronic Private limited, Udaipur. Keynote Speaker of the event was Er K S Sardalia, Former General Manager, (TC), Adani Ports & SEZ.

Varanasi

Organized The Professor B B Bansal Memorial Lecture on 26 April 2022. A technical webinar on the topic 'Operating Strategies of Buses for Mass Evacuation'

Contd. on page 24



37th INDIAN ENGINEERING CONGRESS

Chennai, December 16-18, 2022

Theme: **Role of Engineers for Creating a Sustainable & Self Reliant India**

Organized by

The Institution of Engineers (India)

Hosted by: **Tamilnadu State Centre**

For further details, please follow the website: <https://www.37iec.org>

and also the link below

https://www.ieindia.org/webui/ajax/Downloads/WebUI_PDF/IEC/IEC_37_Brochure.pdf?v20220929.1



The Institution of Engineers (India)

Notification for

R&D Grant-in-Aid

To promote appropriate technology, assist in building up design & research talents and, most importantly, to help in nurturing potential R&D venture amongst engineering students pursuing Diploma/UG/PG/PhD courses, The Institution of Engineers (India) had instituted the R&D Grant-in-Aid program way back in 2001.

Every year, the Institution invites applications for funding industry-oriented R&D projects and research initiatives aimed at improving the life-style of common people from engineering students pursuing full time Diploma/UG/PG/PhD engineering program in AICTE/UGC/NAAC approved Institutions/Colleges/Universities. The application form and guidelines are available in our website <https://www.ieindia.org>. The projects should be carried out under the guidance of faculty members who are Corporate Members of IEI. Membership criteria for student(s), guide(s) and Institution(s) are as follows:

Project Category	Student/Applicant Membership	Guide(s) Membership	Institutional Membership
1. Diploma	Exempted [Membership of Student Chapter is desirable]	AMIE/MIE/FIE	Not Mandatory
2. UG (BE/BTech/AMIE/Equivalent)	'Student Member' (SMIE)	AMIE/MIE/FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank
3. PG (ME/MTech/Equivalent)	AMIE/MIE/FIE	MIE/FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank
4. PhD	AMIE/MIE/FIE	MIE/FIE	Applicant's Institute should preferably be an Institutional Member with NBA / NAAC Accreditation or valid NIRF Rank

The soft copy of the duly filled-up applications (in editable format), as per the pro-forma available in our website www.ieindia.org, should be sent through email to research@ieindia.org and one printed copy of the same should reach the following address:

Director (Technical)

The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020

Kindly go through the guidelines (visit link <https://www.ieindia.org/webui/IEI-Activities.aspx#RnD-Initiative>) before filling up the application.

IEI NEWS

ISSN 0971-3352

Owner : The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020
 Printer : Maj Gen MJS Syali, VSM (Retd), Secretary & Director General
 Publisher : Maj Gen MJS Syali, VSM (Retd), Secretary & Director General
 Published from : 8 Gokhale Road, Kolkata 700 020
 Printed from : M/s Florence Offset Process Pvt. Ltd.
 6A S N Banerjee Road, Kolkata 700013
 Editor : Maj Gen MJS Syali, VSM (Retd), Secretary & Director General

News-in-Brief

Contd. from page 23

was organized on the occasion. Speaker of the event, Dr Lakshay Taneja, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi spoke about the bus operating strategies which are essential for mass bus dependent evacuation after a disaster strikes. Due to the limited availability of buses, it needs to be run continuously, i.e., making multiple trips he mentioned and further discussed on development of mathematical model to optimised operating strategies. He also spoke about perturbations required in these strategies on account of changes in the evacuation ecosystem due to uncertainties. To test the efficacy of these developed models, a case of radiological accident is presented by the speaker.

Visakhapatnam

Celebrated 121st Birthday of Padmabhushan Dr K L Rao, Past President, IEI on 15 July 2022 at Visakhapatnam through online mode. Speaker of the event, Mr R Sriramakrishna, Superintending Engineer, Pulichintala Project Circle, Vissannapeta, Krishna Delta System delivered lecture on "Dr K L Rao Sagar Pulichintala Project". The speaker, in his address, briefed about the history of Pulichintala Project and the benefits derived from the same.

Warangal

Observed Telangana Engineers' Day to commemorate 145th Birthday of Nawab Ali Nawaz Jung Bahadur (11 July 1877 – 06 December 1949) on 11 July 2022 at Warangal. Chief Guest of the event, Mr A Gopal Rao, CMD, TS-NPDCL, Warangal discussed the role of engineers for the development of the State as well as the Nation. Mr A Bheem Rao, General Secretary, REEWAC, Warangal briefed the life and achievements of Nawab Ali Nawaz Jung Bahadur. Mr M Sambaiah, Chairman, Warangal Local Centre, IEI delivered lecture on 'Make in Warangal – Opportunities, Role of Industries and Research and Development'.

President : Dr Hemant Omkarrao Thakare

Editor : Maj Gen MJS Syali, VSM (Retd)

Associate Editor: Dr Jitendra Saxena

Special Contributors: Mr S Chakraverty, Mr K Sen
 Mr P Chakraborty, Mr A Das, Ms H Roy, Mr S Bagchi

The Institution of Engineers (India) as a body accepts no responsibility for the statements made by individuals. Reprints of any portion of the publication may be made provided reference thereto is quoted.

Telephones: 91-33-40106299/248/228/215; Web: <http://www.ieindia.org>; E-mail: iei.technical@gmail.com