

# 92<sup>nd</sup> Annual Report

## 2017-18



*The Institution of Engineers (India)*  
DELHI STATE CENTRE





Notice

## Notice Annual General (Business) Meeting

Ref. No. AGM/92/DSC/2017-2018

Date : October 14, 2018

To

All Corporate Members  
Delhi State Centre – IEI

The 92nd Annual General (Business) Meeting of The Institution of Engineers (India), Delhi State Centre will be held on October 30, 2018 at 1630 hrs at the premises of The Institution of Engineers (India), Delhi State Centre, “Engineers Bhawan” 2, Bahadurshah Zafar Marg, New Delhi-110002.

The Agenda for the 92nd Annual General (Business) Meeting is:

- ITEM 0 : Welcome by the Chairman and Opening Remarks.
- ITEM 1 : To consider and confirm minutes of the 91st Annual General (Business) Meeting of the Centre held on November 4, 2017.
- ITEM 2 : To consider and confirm the 92nd Annual Report and to approve and adopt the Income and Expenditure Accounts and Balance Sheet of the Centre for the year ended March 31, 2018 (Page No. 33 to 46).
- ITEM 3 : To appoint Auditor for the year 2018-19 and to fix their remuneration.
- ITEM 4 : Any other business with the permission of the Chair.



**(Praveen Kr Singh)**  
Honorary Secretary

**Kindly confirm by e-mail at [delhisc@ieindia.org](mailto:delhisc@ieindia.org); [ieidsc1@gmail.com](mailto:ieidsc1@gmail.com)**

I.....FIE/MIE/AMIE No. .... will participate in the 92nd Annual General (Business) Meeting of IE(I)-DSC on October 30, 2018 at 1630 hrs at “Engineers Bhawan” 2, Bahadurshah Zafar Marg, New Delhi-110002.

Programme

## Programme

### Annual General (Business) Meeting

October 30, 2018

1630 hrs : Annual General (Business) Meeting\*  
\*Only for Corporate Members attached with Delhi State Centre - IEI

**Venue :** The Institution of Engineers (India)  
DELHI STATE CENTRE  
"Engineers Bhawan"  
2, Bahadur Shah Zafar Marg, New Delhi-110 002

TEA

1800 hrs : Annual Function

## Minutes

## Minutes

### 91st Annual General (Business) Meeting

Minutes of the 91st Annual General (Business) Meeting held on November 4, 2017 at 1630 hrs at "Engineers Bhawan", 2, Bahadurshah Zafar Marg, New Delhi-110002.

#### ITEM 0 Welcome by the Chairman and Opening Remarks

Shri Devendra Gill, Chairman, IEI-DSC extended a warm welcome to the members present in the meeting and thanked them for their support, guidance and cooperation extended during the year. The Chairman briefed member about the activities focused during last year. He mentioned that the Centre has been striding ahead in both technical activities and financial position during last one year. DSC has complied to all statutory requirements including implementation of GST. Reconnect with corporate members have been successfully done through Bulk SMS and E-mails being sent regularly. Participation of esteemed members have tremendously increased which is very encouraging. The changed scenario is quite evident by attendance in the today's meeting. He sought support from all for the remaining one year tenure of the present committee.

#### ITEM 1 To consider and confirm minutes of the 90th Annual General (Business) Meeting of the Centre held on November 25, 2016.

- 1.1. There being no comments/suggestions received from members, the minutes of 90th Annual General (Business) Meeting held on 25/11/2016 was confirmed as circulated.

#### ITEM 2 To consider and confirm the 91st Annual Report and to approve and adopt the Income and Expenditure Accounts and Balance Sheet of the Centre for the year ended March 31, 2017.

- 2.1 The 91st Annual Report and Income and Expenditure Accounts and Balance Sheet of the Centre for year ended March 31, 2017 were presented to the members.

The report was confirmed without any changes.

Members appreciated the quality & comprehensive coverage of the report and congratulated the Chairman and the Honorary Secretary for their effort to bringout the excellent document.

Shri Devendra Gill, Chairman, Delhi State Centre. informed the house that we have forwarded soft copy of the Annual Report by E-mail to all corporate members and the same was also hosted on DSC website. Members with registered mobile numbers were informed by SMS to access the report from website. This has been primarily practiced as part of our contribution to Environment conservation and avoid Printing of Paper/Hard copy. Members appreciated the initiative and congratulated the entire committee of the Centre for this. Shri Devendra Gill, Chairman further sought advice in relation to sending Annual Report to those corporate members with only correspondence address available with IEI records. Presently approximately 4500 such members are not approachable through E-mail & SMS and hard/paper copies were sent to them. As has been past experience, almost 40-50% of these return back undelivered as the addresses are not updated. This has caused monetary losses & administrative difficulty without achieving proportionate results.

House advised and approved that henceforth only limited copies of Hard/Paper copies of Annual Report shall be printed and made available to members attending the Annual General (Business) Meeting. Reports shall not be sent by Post from now onwards.

## Minutes

As discussed in last AGM, efforts were also made to recover long pending receivable. Chairman, IEI-DSC informed that a sum of Rs. 3 lacs has been received after lot of follow up.

However, a sum of Rs. 5 lacs is still being reflected under receivable but the likelihood of their recovery is very low as these are long due since 2015. He requested the house to permit writing off such long pending receivable. As per under mentioned details:

- |                           |           |
|---------------------------|-----------|
| 1. Safety Convention 2014 | Rs. 2 Lac |
| 2. Safety Convention 2015 | Rs. 1 Lac |
| 3. All India Seminar 2015 | Rs. 2 Lac |

House approved the same.

**ITEM 3 To appoint Auditor for the year 2017-2018 and to fix their remuneration.**

- 3.1 In view of the satisfactory work done by the Statutory Auditors, members approved M/s. Chhabra Prasad & Co., Chartered Accountants as the Statutory Auditors of the Centre for the financial year 2017-2018, with remuneration of Rs. 22,000/- plus applicable taxes. Members sought clarification about fee paid to Chartered Accountant for GST compliance. Chairman confirmed that it is being separately paid on a very competitive rate.

Members noted the same.

**ITEM 4 Any other business with the permission of the Chair.**

Shri Praveen Kumar Singh, Honorary Secretary informed the House that pursuant to the discussion held during last year Annual General Meeting, it has been decided to update the fixed assets register on the basis of their actual existence & Current Assets list.

He further informed that no depreciation is being applied on fixed assets of the Centre, as per the directives of HQs. Lot of items are still existing in Fixed Assets Register in spite of the fact that their Asset Value has become NIL, after expiry of their life cycle.

Realizing the fact that writing off any Assets will bring negative impact on the profit of Centre, Honorary Secretary proposed to write-off few assets as per details given below:-

***Fixed Asset (SCHEDULE 'K'):***

- |                     |              |
|---------------------|--------------|
| 1. Carpet           | Rs. 67,812/- |
| 2. Computer Printer | Rs. 43,000/- |
| 3. Emergency Light  | Rs. 4026/-   |
| 4. Fax              | Rs. 16,000   |
| 5. Lockers          | Rs. 8872/-   |
| 6. Almirah          | Rs. 14936/-  |

The house unanimously approved the same.

There being no other point, the meeting ended with a vote of thanks to the Chairman.

More than 75 Corporate Members, attached with Delhi State Centre attended the Meeting.

## 92<sup>nd</sup> Annual Report

### From the Desk of Honorary Secretary

I, on behalf of The Institution of Engineers (India), Delhi State Centre feel privileged in placing the 92<sup>nd</sup> Annual Report along with the Auditor's Report and Audited Accounts for the Financial Year ending March 31, 2018 in the hands of the esteemed members.



Tenure of Delhi State Centre Committee (Sessions 2016-17 & 2017-18) is concluding at the end of October 2018. Delhi State Centre was passing through difficult phase, when we had assumed this responsibility during November 2016, due to numerous challenges from different ends hampering growth of the Centre. Some of major challenges were financial crunch, poor connectivity & interaction with esteemed corporate members, lack of appropriate technical activities in diversified field, interaction with other professional bodies & industries, diminishing presence of Centre in National activities of Institution & others.

All these weakness were determined within a week and comprehensive action plan was developed under the able leadership of Mr Devendra Gill, Chairman, Delhi State Centre & Mr Pradeep Chaturvedi, Council Member-IEI to mitigate the impact of these challenges swiftly. Special focus was laid on Receivables Management, one of the weakest link of financial management system at one end; while simultaneously ensuring receipt of regular revenue at the other. Result of concerted efforts benefited us tremendously, which ultimately resulted in efficient payables management. Also addressing issues of building renovation & maintenance, gave impetus in conducting Technical Activities & Centre recorded notable Receipts & Profits for the financial year 2017-18.

Poor connectivity & interaction with Corporate Members was one of the grey area. In an effort to bring back lost Corporate Members in main stream of the Institution's activities, apart from regular mode of communication, we took pioneering initiatives to get in touch with members through SMS. Notices were also circulated in National Newspapers requesting members to update their records. Greater participation of Corporate Members in various activities have vindicated that we are quite successful.

As far as conduct of Technical activities is concerned, Centre witnessed quantum jump in these areas. It is a matter of immense pleasure for me to place on record that Centre broke all previous records in this area; and numerous activities, in all possible diversified area focusing on theme having vital significance in today's scenario, were conducted during the tenure of Current Committee.

Centre organized Twenty Six numbers of Technical Lectures, all Statutory Days functions, Five All India Seminars, Three One Day Workshops, Three National Conventions, Two Safety Conventions, Nine Screening of Movie Shows & others programmes. Additionally, Centre took lead initiative in hosting Council Meeting at New Delhi during June 2017 and publication of Prestigious "Abhiyanta Bandhu" for the year 2017 respectively. This entire initiatives built-up Centre's image at the National Platform of the Institution. Today, Delhi State Centre is being acknowledged as one of the most active Centres of the Institution.

Professional societies provide a forum for like-minded people to exchange ideas, views and information. Association with different Professional bodies is another area, where we have achieved remarkable success. IFE (UK), IET (UK), IPHE, NITRA, FSAI and SAFEE are some of the professional bodies, which have joined us in organizing events in the diversified field. I wish to place on record my gratitude and sincere thanks to all of them of their support in our endeavor.

During the last two years, we got unwavering & incessant support from Safety & Quality Forum, in organizing various activities. I wish to place on record my sincere thanks to Lt Gen (Retd) J S Ahluwalia, Chairman, Safety & Quality Forum in expressing faith & confidence on us.

All these achievements were only possible due to able visionary power & guidance of our Chairman Mr Devendra Gill. His unquestionable continued support helped me in discharging my responsibilities effectively. Our impeccable association created new bench mark. I hope Incoming office bearers would take note of it & will maintain momentum in future.

I am also thankful to our mentor Mr Pradeep Chaturvedi, Council Member-IEI & members of Delhi State Centre's Committee for their unwavering support & cooperation in making Delhi State Centre as one of Outstanding Centres of IEI.

I am also thankful to, HQ Cell-Delhi for their active support and cooperation to Delhi State Centre during our tenure.

Capability & Competence of Staff of Delhi State Centre are unmatched. They only need proper guidance & direction. This has been vindicated by the fact that Centre Organized three National Conventions in a span of just 50 days. I wish to place on record commendable work done by the entire staff of Delhi State Centre and for their dedication and support, which also gave me confidence in executing my assignments efficiently. My heartiest Best Wishes to them for their future endeavor.

I also wish to express my special gratitude of all the vendors, attached with the Centre, for discharging their assignments efficiently and ensuring that all products & services delivered were best in parameters of Cost, Quality & Delivery.

I am fully confident that now Delhi State Centre is embracing for bright future and I look forward to continued support from esteemed corporate members to assist New Team in their endeavor to make Delhi State Centre achieve greater heights.

I wish you and your family members a Happy & Prosperous Diwali.

Jai Hind !

## Membership

The Membership strength of the Delhi State Centre (as per the records maintained by the Headquarter) as on March 31, 2018 is as follows:

- a) Corporate Members : 9252
- b) ST/T Members : 26470

## Examinations

The Centre successfully conducted AMIE Section A & B Examination during Summer 2017 at Kerala Education Society & HMDAV Senior Secondary School, New Delhi while Winter 2017 Examination were conducted at Institution's Premises respectively.

## Committee Meetings

Eight Meeting of the Centre's Executive Committee were held during the year on the following dates:

Sl. No.	Meeting Date	Sl. No.	Meeting Date	Sl. No.	Meeting Date
1.	18/4/2017	2.	31/05/2017	3.	26/06/2017
4.	04/08/2017	5.	04/09/2018	6.	04/11/2017
7.	08/12/2017	8.	16/02/2018		



## Guidance Classes

Guidance Classes for Section A & B of AMIE Examination are being run at the Institution's premises. The total enrolment for Summer 2017 & Winter 2017 were 219 & 234 respectively.

## Book Donors

- |    |                          |   |                    |
|----|--------------------------|---|--------------------|
| 1. | Shri Praveen Kumar Singh | - | Honorary Secretary |
| 2. | Shri Prashant Saxena     | - | Corporate Member   |
| 3. | Shri Sushant Gill        | - | Corporate Member   |
| 4. | Shri Vitin               | - | Corporate Member   |
| 5. | Shri R. L. Raina         | - | Corporate Member   |

## ACTIVITIES

### Technical Programme

*Theme: "Innovation in High Speed Railway"*

*April 6, 2017*

Delhi State Centre, The Institution of Engineers (India) and Institution of Engineering & Technology (UK), Delhi Local Network jointly organised a Technical Programme on April 6, 2017 at Institution Premises, New Delhi on theme: "Innovation in High Speed Railway".

Delivering the welcome address Shri N Venkatesan, Past Chairman, Institution of Engineering & Technology (UK), Ex Member/Electrical, Railway Board mentioned that significance of high speed Railways is increasing day by day due to continuous improvement in economy of the country and simultaneously people now desire to spend their time effectively on useful activities.

Shri Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) in his address stressed that High Speed trains is a topic that has been attracting attention of the common men and they look up to the engineering fraternity to provide them faster trains at the earliest. There is a different perception of what is really meant by high speed trains. Is bullet train the only solution or keeping in view the infrastructure conditions of the Indian Railways, train at a little lower speed can also be termed as High Speed Train?

Expressing satisfaction over the future traffic load of Railways, Shri Chaturvedi mentioned that Construction of Dedicated Freight Corridors (DFCs) which are being built more or less parallel to the existing double line tracks will release the congestion on the existing tracks as these will then be carrying the passenger traffic only and the freight traffic will shift to the newly constructed train corridors.

Shri Pankaj Guleria, WoE Test Manager, Hitachi Rail Europe, IET Global Ambassador, key note speaker of the programme in his address apprised in details about the strategy of Hitachi Rail Europe in effectively providing the test services to the citizen in UK. Shri Guleria in his presentation highlighted on various key features of AT services of trains manufactured by Hitachi Rail Europe. Some of the key features of the train are best of specific energy consumption, highest level of safety features, comfort for crew and passengers and reliability of engine and Bogies. Shri Guleria informed that AT400 train is the latest version of train released by Hitachi Rail Europe.

Chief Guest of the function Shri Ghanshyam Singh, Member Traction, Railway Board, in his address stressed the various actions taken by Indian Railways to reduce rail accidents. He mentioned that commendable improvement has been witnessed in this regard during the last five years. However, still more cohesive actions are required to achieve International Bench Mark. Shri Singh in his address highlighted the achievements of Indian Railways after launch of "Semi Speed Rail" from Nizamuddin to Agra. He mentioned that innovation on "High Speed Corridor" is already in progress and expected results can be seen in the coming years.

He informed that Railways is also focussing on Energy Efficiency and Energy conservation. In this regard, installation of Solar Power Plants is one of the key projects. Intention is to reduce carbon foot print of major railway stations. Saving of traction energy is also other option. Concluding his address. Shri Singh mentioned that "Safety" has been of paramount interest for Indian Railways and in this regard Railways is working actively to eradicate accidents occurring in Rail-Line.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre-IEI proposed the vote of thanks.

Shri Aman Rajput, Secretary, YPS, Institution of Engineering & Technology (UK)-DLN coordinated the programme.

Nearly 160 members, guests and invitees attended the function.

### **33rd Maj. Gen. Harkirat Singh Memorial Lecture**

***Theme: "Digital India - Digital Economy - The World Economic Order"***

*April 7, 2017*

Delhi State Centre of The Institution of Engineers (India) organized 33rd Maj Gen Harkirat Singh Memorial Lecture on April 7, 2017 at Institutions' Premises. On this occasion Lt Gen (Retd) Ashok Agarwal, PVSM, Former Director General (QA), Ministry of Defence & Past President, IETE was the Chief Guest & delivered Memorial Lecture on topic "Digital Economy-The New Economic World Order". The function was also graced by Daughter and Family members of Maj Gen Harkirat Singh. Mr Pradeep Chaturvedi, Council Member-IEI also presided over the function.

The Memorial function started with homage paying ceremony by garlanding of photograph of late Maj Gen Harkirat Singh by dignitaries.

Mr Devendra Gill, Chairman, Delhi State Centre - IEI delivering his welcome address mentioned that greatest homage Engineering Fraternity can pay to Maj Gen Harkirat Singh is by adopting his principles & to work strenuously towards the betterment of The Institution of Engineers (India). Briefing about the contribution of Maj Gen Harkirat Singh, Mr Gill mentioned that Maj Gen Harkirat Singh was instrumental in conceptualizing, designing & construction of IEI's Head Quarters Seven Stories building. Later on, IEI HQs' building became land mark location in the city of Kolkata only due to vision of Maj Gen Harkirat Singh.

Mr Pradeep Chaturvedi, Council Member-IEI in his address mentioned that Maj Gen Harkirat Singh played a key role in ensuring the incessant support of Indian Army in the various activities of the Institution of Engineers (India) during the era of 60's & 70's.

Chief Guest of the function Lt Gen (Retd) Ashok Agarwal delivering Memorial Address on topic "Digital Economy-The New Economic World Order" mentioned that Digital India is a plan envisioned by Prime Minister Shri Narendra Modi "to transform India into a digitally empowered society and knowledge economy". The key to the program is turning high-speed internet into a core utility. Apprising about the India's Telecom revolution, Gen Agarwal mentioned that Indian Telecom revolution started about 30

years ago. At that time waiting list for Landline phone connection was 5-10 years. Next 10 years saw the galloping growth and by mid 90s, Telephones were freely available, practically all villages were connected and had STD booths. Along with telecom, Computers and IT also simultaneously emerged in India. Markets, Offices, enterprises were flooded with computers. By mid 90s, India assumed position of largest supplier of software and ITES. He informed that India's software, ITES and BPO revenue has contributed to 66% of total export for 2016 and it is acting as an important driver of Indian economy. Referring to the mobile phones' consumers, Gen Agrawal highlighted that India has surpassed USA in smart phone population to become second largest smart phone market in the world after China. Mobile networks are being upgraded with superior technologies; 2G to 3G and now 4G to provide higher data speeds for better user experience.

Lt Gen (Retd) Ashok Agarwal in his address spoke in detail on Digital economy & mentioned that Digital economy is the new productivity platform that experts regard as the third industrial revolution. According to Goldman Sachs prediction, India comprising 15% of world population with growth @ 7-8% could be the second largest economy by 2030. PM Modi considers "Digital India" as major growth driver and therefore strategically listed it among the top priorities of the Government. He mentioned that Digital India is the key enabler to all plans like 'Skill India', 'Make in India', 'Start-up India' etc. Concluding his address, Gen Agrawal mentioned that Digital India is not only providing internet connectivity to rural India but also a Program to transform India into a digitally empowered and knowledge society. Convergence between the connectivity, knowledge and economy will decide our future and transform India into a modern 21st Century nation.

While proposing the vote of thanks Mr Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre informed that Delhi State Centre-IEI started conducting Maj Gen Harkirat Singh Memorial Lecture since 1985. Over the years, this memorial lecture has grown in stature & importance due to persistent support of the corporate members of The Institution of Engineers (India).

Event was attended by nearly 70 participants, mainly Committee & Corporate Members, Officers from Defence, Student Members & other invitees.

### **Technical Programme-cum-Movie Screening Show**

***Theme: "Occupational Risks to Fire Emergency Responders"***

*April 8, 2017*

Delhi State Centre jointly with Safety & Quality Forum-IEI organized technical programme on theme "Occupational Risks to Fire Emergency Responders" on April 8, 2017 at Institutions' Premises. Programme comprised of a presentation on the theme address by Mr H S Rawat, MIFireE (UK), General Manager/Fire (Retd), Airports Authority of India followed by Screening of Movie: "Back Draft".

Mr Devendra Gill, Chairman, Delhi State Centre -IEI delivering his welcome address apprised audience about the severity of Fire accidents occurring due to Back Draft. He mentioned that probability of casualties occurring due to Back Draft is extremely high in comparison to other Fire accidents. He insisted on conducting more awareness & training programme on Back Draft, since lack of knowledge & training in handling Back Draft effectively is the main cause of fatalities occurring during fire accidents.

Mr H S Rawat, Former General Manager, Airports Authority of India in his elaborative presentation on "Occupational Risks to Fire Emergency Responders" apprised audience about the various challenges Firemen face in their day to day life, while countering any Fire Incident. He mentioned Occupational Risks to Firemen are extremely high, since the site of any fire incident never remains same. It changes every day,

posing severe threat to life when a person is not able to adjust to the changing scenario. Additionally, apart from technical skill & Physical strength of any Firemen and the mental stability in handling emergency scenario plays a vital role. Presentation of Mr H S Rawat covered in detail different types of challenges faced by Firemen, factors effecting the performance of Firemen & tools available to reduce the Occupational risks of Fire Emergency Responders.

Movie “Back Draft” magnificently focused in details the various issues pertaining to fire accident occurred in one building & the challenges faced by Firemen to handle the devastating damage due to Back Draft Phenomenon.

Mr Praveen Kr. Singh, Hony Secretary, IEI-DSC coordinated the programme & proposed the vote of thanks.

Event was attended by nearly 90 participants, mainly Corporate Members, Student Members, Safety professionals from industries & other invitees.

### **Technical Programme**

**Theme : “Current Trends in Aerospace Engineering”**

*April 17, 2017*

Delhi State Centre of The Institution of Engineers (India) organized a Technical Programme on theme: “Current Trends in Aerospace Engineering” on April 17, 2017 at Institution's Premises, New Delhi.

Delivering the welcome address Shri Devendra Gill, Chairman, Delhi State Centre, The Institution of Engineers (India) mentioned that Aviation Sector has developed very rapidly post liberalization. Entries of foreign players have made market competition in Aviation sector stiffer. Additionally, Aviation Industries are also playing vital role in ensuring Security of the Nation. In view of these circumstances, it has become imperative for Technical Institutions & Research Organization to focus more on innovating cutting edge technology in this field.

Chief Guest of the function, Gp. Capt Praveen Khanna, VSM (Retd) delivered appreciative and indepth lecture on the theme. Gp. Capt Khanna, in his presentation, broadly focused on 3-major aspects of current aerospace technology, viz Propulsion - SCRAM JET, Structures & Aerodynamics (Techniques) - CFD/FEM & Present Designs & Applications. - UAV & DRONES

Gp. Capt Praveen Khanna, in his presentation highlighted on propulsion system for scramjet engine. Starting with the introduction of S-C-RAMJET engine i.e. Supersonic Combustion RAMJET engine, he compared its propulsion system with present-turbojet and ramjet engines. He also highlighted the application of CFD/FEM software-based mathematical & Flow models & technologies. The application of these would help design & analysis of structural Design & Fluid-Flow predictions, well before the “Wind-Tunnel” Testing, which are very expensive & time-consuming. Presentation also focused on Finite element method (FEM) for solving problems of engineering and mathematical physics.

With its significance in Aviation Sector, he also spoke on Present Designs & Applications of Unmanned Aerial Vehicles UAVs/Drones. Concluding his presentation, Gp. Capt Praveen Khanna also shared concerns over Make in India Challenges. The speaker touched upon various critical issues like Regulations, Awareness, Drone Identification, Economic Considerations & Operator's Skills.

Shri J K Jain, Professor, Amity School of Aerospace Engineering and also member of Delhi State Centre Committee coordinated the event.

Nearly 50 members, guests and invitees attended the function.



**Fire Safety Week 2017**

**Theme: “Firemen – Your Partner for Saving Life & Property”**

*April 19, 2017*

Delhi State Centre jointly with Safety & Quality Forum (SQF) - IEI organized technical programme on the occasion of FIRE SAFETY WEEK 2017 on the theme “Firemen – Your Partner for Saving Life & Property” on April 19, 2017 at Institutions' Premises. Mr R C Sharma, Former Director, Delhi Fire Service was the Chief Guest of the function.

Mr Devendra Gill, Chairman, Delhi State Centre –IEI delivering his welcome address mentioned that SQF & Delhi State Centre has been striving hard for the last more than one decade to disseminate the knowledge regarding Fire Safety by way of conducting technical lectures and various skill development programme as well as screening of safety related movies. He stressed that reduction in fatalities due to fire accidents can happen by imparting awareness & training to common mass on a larger scale.

Mr R C Sharma, Former Director, Delhi Fire Service in his very informative & elaborative presentation highlighted on various challenges Firemen face in their day to day life, constraints involved in a case to case accidents scenario, impact of poor information system on Firemen's performance and varying behavior of different stake-holders engaged in any fire disaster cases. Mr Sharma lamented on current situation of poor fire safety management system in the country. He categorically mentioned that reason for majority of casualties of firemen goes to improper or incorrect information available with them. He stressed that development of effective Investigation System has become imperative due to rising cases of fire accidents & also to develop counter strategy for different types of fire accidents. Presentation of Mr R C Sharma covered in details the risks involved in any fire incident alongwith case studies of major fire accidents happened in India during the last one decade and factors effecting the performance of Firemen & strategies available to reduce Fire Accidents.

Mr Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the programme & proposed the vote of thanks.

Event was attended by nearly 60 participants, mainly Corporate Members, Student Members, Safety professionals from industries & other invitees.

**Technical Programme**

**Theme: “Developing Safety Culture”**

*May 13, 2017*

Delhi State Centre and Safety & Quality Forum of The Institution of Engineers (India) jointly organized a Technical Programme on the topic “Developing Safety Culture” on May 13, 2017 at Institution's Premises. The activity comprised of Technical Talk and Screening of Movie “Deep Water Horizon” followed by group discussions among participants after the movie.

Welcoming the audience, Shri Devendra Gill, Chairman, Delhi State Centre-IEI apprised the audience about contribution of Delhi State Centre of The Institution of Engineers (India) which was established in 1927. With a total Corporate Membership of Delhi State Centre of over 8500 having representatives from 15 Engineering disciplines and about 25000 non-corporate members consisting of Technicians, Sr. Technicians and Graduates, Delhi State Centre is one of the most vibrant State Centre having connect to its member through such programme. He dwelled upon the importance of developing culture for growth of an organization.

The movie “Deepwater Horizon” displayed real life story of collapse of Rig in April, 2010, which led to causality of nearly 115 crew members on board, apart from causing the largest Oil Spill in US waters in the Gulf of Mexico. It took nearly 5 months to control the whole impact of accident. Movie magnificently depicted how ignorance of routine maintenance can even make one of the Safest Oil Rig meet a catastrophe.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre and Director, Safety & Quality Forum - IEI proposed the vote of thanks.

It was a very informative technical programme and was appreciated by all the Participants. Nearly 100 Corporate members, Students, guests and invitees attended the function.

### **World Telecommunication & Information Society Day 2017**

***Theme: “Big Data for Big Impact”***

*May 17, 2017 • New Delhi*

Delhi State Centre of The Institution of Engineers (India) jointly with Institution of Engineering & Technology (UK), Delhi Local Network celebrated World Telecommunication & Information Society Day 2017 on theme “Big Data for Big Impact” on May 17, 2017 at Institution’s Premises. On this occasion, Prof A P Mittal, Member Secretary, All India Council for Technical Education was the Chief Guest, while Mr Shiv Kumar, Technical Director, National Informatics Centre, Ministry of Communications & Information & Technology, Government of India delivered the Key-Note address on the theme.

Mr Devendra Gill, Chairman, Delhi State Centre -IEI delivering his welcome address informed that The Institution of Engineers (India) has been regularly celebrating the World Telecommunication & Information Society Day nationally through all its Centres in line with UN resolution to mark the foundation of the International Telecommunication Union and signing of first International Telegraph Convention. Mr Gill further apprised audience about the various activities planned by Delhi State Centre to raise awareness regarding use of Internet and other information and communication technologies (ICT), that can bring revolutionary advantages to societies and economies.

Mr R N Rajpoot, Chairman, Institution of Engineering & Technology (UK), Delhi Local Network in his address apprised about the background of IET (UK) and mentioned that IET (UK) has been conducting various activities to create awareness among common masses on ICTs.

Delivering the Key-Note address, Mr Shiv Kumar, Technical Director, National Informatics Centre (NIC) informed that NIC has been actively handling the vast data received from various sources in the society to assist Government in handling critical & burning issues. Mr Shiv Kumar cited example of how NIC is assisting Ministry of Women & Children Development & State Governments for resolving the issues of Child Kidnapping, finding missing children through the use of abundant Data. Highlighting on the current marketing strategies of Major MNCs, Mr Shiv Kumar mentioned that now data's available through various search engines & social websites are being used to bring big Impact in the market by way of strategizing product quality, Product location, cost & customization.

Chief Guest of the function, Prof A P Mittal, Member Secretary, All India Council for Technical Education in his address highlighted on the growth of usage of ICTs in day to day life and its significance in Technical Education Sector. Prof A P Mittal informed that AICTE has been vigorously working towards the upliftment of Technical Institutions in the Country by way of facilitating them to participate in innovative competition programme, like Hackathon etc. Chief Guest's address broadly covered the status of Technical Education in India & future challenges in view of rising global competition.

92<sup>nd</sup> Annual Report

Mr Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the programme & proposed the vote of thanks.

Event was attended by nearly 60 participants, mainly Corporate Members, Student Members, professionals from industries & other invitees.

**Technical Programme**

**Theme:** *“The Challenges involved in the Waste-To-Wealth Paradigm & the Current Regulatory Systems”*

*May 30, 2017 • New Delhi*

Delhi State Centre organized a Technical Programme on theme: “The Challenges Involved in the Waste-To-Wealth Paradigm & the Current Regulatory Systems” on May 30, 2017 at Institution's Premises. On this occasion Shri Asit Nema, Foundation for Greentech Environmental Systems, New Delhi was the Chief Guest and delivered the lecture on the programme theme.

Delivering his welcome address, Shri Devendra Gill, Chairman, Delhi State Centre mentioning about the purpose of the programme mentioning that main objectives is to discuss various provisions in revised Municipal Solid Waste (Handling and Management) Rule, 2016 and its likely impact on the current state of MSW disposed Scenario.

In his address invited speaker, Shri Asit Nema narrated that in the year 2000 India got its first regulatory system for Solid Waste Management in urban areas called Municipal Solid Waste (Handling and Management) Rules, 2000. This system attempted to embrace a paradigm characterised by, among others, segregation of waste at source, treatment of waste by diverse technologies for maximising resource recovery and thereby minimising waste loads that shall be destined for safe disposal into sanitary landfills, etc. The timeline prescribed in the Rules was rather ambitious as more than 5600 large, medium and small municipalities alike were mandated to achieve full compliance within a period of three years.

However over the next 16 years, notwithstanding the limited capacity within the sector/country and within the respective municipalities, they aspired in various ways to improve their solid waste management operations, but none could claim to achieve compliance with the Rules. In the process we have seen a large number of initiatives for segregation which have come a cropper; and an equally large number of capital intensive treatment plants set up for conversion of 'waste into wealth' based on diverse technologies have gone defunct.

Shri Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinate the event and proposed the vote of thanks.

Nearly 60 members, guests and invitees attended the function.

**World Environment Day 2017**

**Theme:** *“Connecting People to Nature”*

*June 5, 2017*

Delhi State Centre - IEI organized World Environment Day on theme: “Connecting People to Nature” on June 5, 2017 at Institution's Premises. On this occasion Dr Chandan Ghosh, Professor & Head of the Geo-Hazard Risk Management Division, National Institute of Disaster Management, (Ministry of Home Affairs, Govt. of India) was the Chief Guest and delivered the lecture.

Shri Devendra Gill, Chairman, Delhi State Centre, IEI welcoming the Chief Guest highlighted the importance of World Environment Day 2017. He narrated that this year, the theme “Connecting People to Nature” has been well chosen as Environment can be protected only when common people get associated with this mission.

Dr. S K Singh, Member of Delhi State Centre Committee introducing the speaker mentioned that Environment degradation has caused havoc in the society and Climate Change is a potential threat to human civilisation. If urgent steps are not taken, serious disaster are likely to happen. The Institution of Engineers (India) has a very important role in promoting the message to the society as well as provide technical knowhow for various stakeholders to manage this challenges in most efficient manner.

In his address, Speaker Dr Chandan Ghosh narrated that the Growing of Vetiver hedges on contours and adopting conservation tillage practices between them has proved to be an effective method to reduce runoff and soil loss, and increase in-situ moisture, thereby obtaining higher crop yields. The species of Vetiver System (*Chrysopogon zizanioides*), originates in the state of Tamil Nadu, South India, which is now being promoted in nearly 120 countries. It is sterile, non invasive and has to be propagated by clump subdivision. Generally nursery multiplication of bare rooted plants is the preferred method. The average multiplication rate varies but is normally, in a nursery, about 1:30 after about three months. The Vetiver System (VS) can reduce or even eliminate landslides, mudslides, road batter instability, and erosion (river banks, canals, coastlines, dikes, and earth-dam batters).

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre - IEI coordinate the event and proposed the vote of thanks.

Nearly 70 members, guests and invitees attended the function.

### **Technical Programme**

**Topic: “Role of Ethics in Engineering Profession”**

*June 10, 2017*

Delhi State Centre and Safety & Quality Forum - IEI jointly organized a Technical Programme on the topic “Role of Ethics in Engineers Profession” on June 10, 2017 at Institution's Premises. Activity comprised of Technical Talk and Screening of Movie “Satyakaam” followed by group discussions among the participants.

Welcoming the audience, Shri Devendra Gill, Chairman, Delhi State Centre-IEI apprised the audience about contributions of Delhi State Centre in disseminating the knowledge of Engineering skill as well as other soft skills. Shri Gill dwelled upon the importance of developing culture for growth of Society.

Shri Pankaj Munjal, Director Training & Development, R V Institute of Technology, Bijnore delivered the lecture on topic “Role of Ethics in Engineering Profession”. Delivering his address, Shri Munjal stated that the social aspect of multifaceted engineering sector forms one of the most intricate and complex continua of the profession. In fact, the biggest reason why engineers and other professionals involved are highly regarded and respected by the society is due to the fact that decisions taken by engineers tend to have huge impacts, sometimes to an extent that the fate of a place or many people is changed at a time. Very often, cause and effect between behavior and consequences are paradoxical; sometimes the impacts are both positive and adverse and are apparent and conspicuous, yet sometimes they are fraught with so much uncertainty that the impacts are adverse. In this context, the concept of ethics in engineering becomes crucial.



The movie “Satyakaam” displayed the life story of honest civil engineer fighting with corrupt system and splendidly delivering his best in spite of various other family and social constraints.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre and Director, Safety & Quality Forum - IEI coordinated the programme and proposed the vote of thanks.

It was a very informative technical programme and was appreciated by all the Participants. Nearly 80 Corporate members, Students, guests and invitees attended the function.

### **Two Days All India Seminar**

***Theme: “Urban Flood Management: Challenges and Strategies in India”***

*June 16-17, 2017*

Delhi State Centre - IEI organised two days All India Seminar on theme “Urban Flood Management : Challenges and Strategies in India” during June 16-17, 2017 in collaboration with Institution of Public Health Engineers, India - Delhi Regional Centre & Indian Water Resources Society - IIT Roorkee respectively. Dr Amarjit Singh, IAS, Secretary of Ministry of Water Resources, Govt. of India was the Chief Guest while Shri Kamal Kishore, Member, National Disaster Management Authority was Guest of Honour. Shri OP Goel, Past President, IEI also graced the dias during the Inaugural Function.

Welcoming the Chief Guest, Guest of Honour, other dignitaries, Corporate Members and participants, Shri Devendra Gill, Chairman, Delhi State Centre-IEI informed that lot of efforts have been made by three organising professional bodies to comprehensively cover all the aspects of Urban Flooding for the benefit of different stakeholders. He apprised that Urban Flooding has been occurring at regular intervals in various parts of the Country, where authorities face difficult situation to handle such disaster. More than 150 Municipalities, Corporation and Public Works Department spread all over the country were approached to take maximum benefits of deliberation during the Seminar. Shri Gill hoped that the participants will come out morewiser and confident to handle such situation in future.

Guest of Honour, Shri Kamal Kishore, Member, National Disaster Management Authority in his address mentioned that Urban flooding is significantly different from rural flooding as urbanization leads to development of catchments, which increases the flood peaks from 1.8 to 8 times and flood volumes by up to 6 times. Consequently, flooding occurs very quickly due to faster flow times (in a matter of minutes).

Shri Kamal Kishore lamented that increasing trend of urban flooding has become universal phenomenon and poses a challenge to urban planners world over. Problems associated with urban floods range from relatively localized incidents to major incidents, resulting in cities being inundated from hours to several days. He reiterated the organising fraternity to take up this matter on top priority basis.

Chief Guest, Dr. Amarjit Singh, Secretary, Ministry of Water Resources, River Development and Ganga Rejuvenation Resources, in his address complemented Delhi State Centre of IEI for jointly holding a seminar on Urban Floods Management with other like minded professional bodies like IPHE and IWRS. He also appreciated the contribution of IEI in national development during its nearly 100 years of existence. Dr Singh acknowledged that AMIE qualification was recognized with great respect and has a big brand name, legacy and goodwill. IEI should carefully keep a watch on changing scenario and revise its curriculum to provide the highest level of education on engineering subjects and there by contribute to national development.

Chief Guest mentioned that effective and scientific use of irrigation water has helped in crop development at a rapid pace. There is a recent example of Madhya Pradesh which is now producing food grains at an unprecedented level even from areas that were not considered fertile earlier. Proper water management has helped in achieving it. Wetlands need to be properly treated. True cost of development of water supply for irrigation purposes should be built into agricultural production costs for efficient use of water in agriculture. Currently cost of water is not taken into consideration in agricultural production. Understanding of social and economic issues is as important as engineering interventions for effective urban floods management. Urban landscape should not be disturbed in an unplanned manner and proper land use planning must be ensured so that the water run-off is not blocked or affected.

Dr. Amajit Singh emphasized that Engineering fraternity under the umbrella of IEI has tremendous responsibility to plan and manage urban floods.

Mr. Pradeep Chaturvedi, Chairman, Strategic Plan Committee, IEI, in his address emphasized that flood forecasting is very important for flood preparedness and should be expanded extensively across the country using real time data acquisition system linked to forecasting models. Efforts should be focused on developing physical models for various basin sections and urban centers and the big data on the same needs to be collected and analysed for exact prediction of rainfall and likely flood prone areas in the urban centre. Operating procedures for cities should be such that there is least sedimentation or blockage of storm water drains and the sewer systems.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre-IEI proposed the vote of thanks.

Nearly 100 members, guests and invitees attended the function.

### **One Day All India Seminar**

#### ***Theme "Climate Change"***

*July 8, 2017*

Delhi State Centre organized a One day All India Seminar under the aegis of National Language Promotional Committee on the topic "Climate Change" on July 8, 2017 at Institution's Premises. This programme was organised in Hindi Language.

Welcoming the audience, Shri Devendra Gill, Chairman, Delhi State Centre-IEI mentioned that Delhi State Centre has taken pioneer initiatives in organizing first ever Seminar in National Language. During the discussion held in last Council Meeting, concerns on the poor participation of various Centres in organizing various activities under the aegis of National Language Promotional Committee were shared. Shri Gill also highlighted the various concerning issues faced by people residing in Delhi due to drastic Climate Change. He shared the environment friendly practices of ancient India which still hold great relevance in today's context.

Chief Guest of the function, Dr S K Singh, Professor & Dean, Department of Civil and Environmental Engineering, Delhi Technological University in his address comprehensively covered various issues pertaining to Environment problem and management in the area of NCT of Delhi. Dr Singh cited various governments' policy decisions which are being taken to protect environment from ill effect of Climate Change.

Shri S A Verma, General Manager, Delhi Metro Rail Corporation also delivered the lecture on Climate Change: Problems, Initiatives taken by Delhi Metro Rail Corporation. DMRC has taken various initiatives

92<sup>nd</sup> Annual Report

towards Environment preservation and protection which were covered comprehensively in his presentation.

Ms Sheetal Sharma, Assistant Manager (Environment), Sadbhav- Corson JV, Mundka spoke on Climate : History and Future. Advance countries have cutdown various funding and change effects and remedies. Hence, need of the hours is to be self sufficient.

Shri Nitin Sharma, Manager (Environment), Isolux Engineering, Gurugram gave his presentation on "Climate Change – Difficulty and solution of settlement to the world". He explained the various global efforts to mitigate Climate Change adverse effects.

Hindi movie "Day after tomorrow" was also screened during the seminar. It generated great interest among the audience.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre - IEI coordinated the programme and proposed the vote of thanks. Nearly 100 members, guests and invitees attended the function.

#### **24th Dr. S P Luthra Memorial Lecture**

*Theme: "Quality of Engineering Education: The Need for Introspection"*

*July 27, 2017*

Delhi State Centre organized 24th Dr S P Luthra Memorial Lecture on July 27, 2017 at Institution's Premises. On this occasion Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence & Chief Mentor, The North Cap University was the Chief Guest & delivered Memorial Lecture on topic "Quality of Engineering Education: The Need for Introspection".

The function started with homage paying ceremony by garlanding of photograph of Dr S P Luthra by dignitaries.

Welcoming the Chief Guest and audience, Shri Devendra Gill, Chairman, The Institution of Engineers (India), Delhi State Centre apprised the audience about Dr. S.P. Luthra's contribution to Delhi State Centre, new direction he gave to the activities of the Centre and also brought element of engineering education in the activities of the centre.

Prof J K Gehlawat, Immdt Past Chairman, Delhi State Centre - IEI introduced Guest of the function to the audience.

Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence & Chief Mentor, The North Cap University, the Chief Guest, delivered Memorial Lecture on topic "Quality of Engineering Education: The Need for Introspection". Prof Prem Vrat highlighted on the current technical education system in India. He mentioned that uncontrolled opening of Engineering Colleges with no proper monitoring has led to dilution of technical education standards in India during last one decade. He stressed that Colleges should be made capable to deliver three major components to the students, viz. attitude, skill and knowledge respectively, in order to ensure utmost employment.

Shri Praveen Kr. Singh, Honorary Secretary, IEI-DSC proposed the vote of thanks.

#### **First Northern Zone IEI Alumni Meet 2017**

*September 3, 2017*

IEI Alumni Association with Delhi State Centre organised the First Northern Zone IE(I) Alumni Meet on September 3, 2017. Shri Devendra Gill, Chairman, Delhi State Centre welcomed the guests and

participants and lauded the efforts of Organisers and the large number of Alumni who were present. It was a great moment when Hon'ble Shri Ashwani Lohani, Chairman, Railway Board, gave away Distinguished Alumni Awards to the nominated Alumni and released the third edition of IEI Alumni Newsletter. Shri Ashwani Lohani was also conferred with Distinguished Alumni Award. Shri O P Goel, Past President, IEI honoured him with this award. On this occasion, meritorious students securing highest marks in Section-A&B Examinations were also conferred with Mrs. Bala Gulshan Tandon Awards. Chairman, IEIAA, Dr. Enti Ranga Reddy, Er. Navin B. Vasoya, President IE(I), Shri O P Goel, Past President, Lt Gen J S Ahluwalia (Retd), Chairman, Safety & Quality Forum, IEI, Shri Pradeep Chaturvedi, Council Member and Maj Gen S Bhattacharya, VSM (Retd), Secretary & Director General also graced the occasion and shared their views with the august gathering. Vote of thanks was proposed by Shri Praveen Kr Singh, Hon. Secretary, IEI-DSC.

### **Safety Convention 2017**

**Theme: "Industrial safety with focus on manufacturing excellence"**

*September 4-6, 2017 • New Delhi*

14th Safety convention was organized by Delhi State Centre under aegis of Safety and Quality forum, during September 4-6, 2017 at Hotel Le Meridien, New Delhi. Hon'ble Shri Manish Sisodia, Deputy Chief Minister, Government of NCT of Delhi was the Chief Guest and Dr. Mangu Singh, Managing Director, Delhi Metro Rail Corporation Ltd and Shri K.S. Popli, Chairman and Managing Director, IREDA were Guest of Honors of the Inaugural Function. Shri N.B. Vasoya, President, The Institution of Engineers (India) presided over the function. Shri Devendra Gill, Chairman, The Institution of Engineers (India), Delhi State Centre delivered welcome address. Chief Guest, Hon'ble Shri Manish Sisodia, Deputy Chief Minister, Government of NCT of Delhi congratulated the Institution of Engineers (India) for organizing this convention on Safety Issues. He said that recently Delhi witnessed some unfortunate accidents of collapse of garbage mound and death of workers while working in sewage line. These could have been avoided with proper safety awareness of hazard potential. The session ended with a vote of thanks presented by Shri Praveen K. Singh, Honorary Secretary, Delhi State Centre, IEI. A large number of papers on various topics, such as, Industrial Safety and Manufacturing Productivity, Manufacturing and Environmental Safety, Safety in Public Life, Safety In Energy Sector, Road and Transport Safety, Safety in Construction Sector etc were presented and discussed during the plenary sessions and Technical Sessions. On this occasion 34 companies were conferred with Safety Innovation Award.

### **50th Engineers' Day**

**Theme: "Role of Engineers in a Developing India"**

*September 15, 2017*

Delhi State Centre of IEI celebrated 50th Engineers' Day on September 15, 2017 on the theme: "Role of Engineers in a Developing India". On this occasion, Shri N Venaktesan, Former Member (Electrical), Railway Board was the Chief Guest. Shri Pradeep Chaturvedi, Council Member, IEI delivered the Key-note Address. The function started with rich tributes paid to Bharat Ratna Sir M Visvesvaraya by offering flowers petals by the Chief Guest and other dignitaries.

Welcoming the Guests and Invitees, Shri Devendra Gill, Chairman, The Institution of Engineers (India), Delhi State Centre briefed the audience about the achievements and contributions of Bharat Ratna Sir M. Visvesvaraya during his lifetime. Shri Gill stated that it was on this day 152 years ago Sir Mokshagundam



Visvesvaraya, the towering personality in the history of Indian engineering, was born. In recognition of his monumental services towards national development and for the cause of engineering, Sir Visvesvaraya was honoured by the country's highest civilian Award, the Bharat Ratna, in the year 1955.

Delivering the key-note address Shri Pradeep Chaturvedi, Council Member -IEI mentioned that Foundation stone laying for the high speed train project between Ahmedabad and Mumbai by the Indian Prime Minister and the Japanese Prime Minister yesterday on the Eve of the Engineers Day, i.e. 14 September, 2017 is a befitting compliment to the role of engineering fraternity when proven technology for mobility has been launched. Shri Chaturvedi stressed that role of engineering fraternity is well established as 'engines of change' and expected to design, plan, implement projects and make things successful. Many a times they work with the unknown elements, but are expected to produce predictable, safe and workable solutions. Recognition to engineers comes as an exception but if there is a failure engineers are first to be targeted. But, there are many engineers who have been remembered as the architects of modern India.

Hon'ble Chief Guest of the function Shri N Venkateshan, Former Member Electrical, Railway Board in his address appreciated the Institution of Engineers (India) for diversified initiatives, at pan India level, to address key issues that are impacting society on a larger scale. Citing deteriorating Technical education standards in the Country, Shri N Venkateshan stressed that professional bodies like The Institution of Engineers (India) shall have to take lead role in addressing this crucial issue. He stressed that like other professions, as Doctor, Chartered Accountants etc; Engineering profession should be brought into legal framework, in order to ensure utmost quality. Being largest professional body of Engineers in India, The Institution of Engineers (India) shall have to take lead role in this regard.

On this occasion, One Boy & One Girl candidate each, attached with Delhi State Centre-IEI, were conferred with Mrs. Bala Gulshan Tandon Award for their meritorious performance in Section 'A' & 'B' of The Institution of Engineers (India) during sessions Summer 2016 & Winter 2016 respectively.

Shri Praveen Kumar Singh, Honorary Secretary, IEI-DSC coordinated the programme and presented the vote of thanks.

### **World Habitat Day 2017**

**Theme: "Housing Policies: Affordable Homes"**

*October 3, 2017*

Delhi State Centre of The Institution of Engineers (India) organized World Habitat Day 2017 on October 3, 2017 at Institution's Premises. On this occasion, Shri A K Jain, Former Commissioner (Planning), Delhi Development Authority was the Chief Guest of the function and delivered the address on the theme: "Housing Policies: Affordable Homes".

Delivering the welcome address, Shri Devendra Gill, Chairman, Delhi State Centre-IEI mentioned that more than 30 years ago, the United Nations General Assembly took an important step in promoting the idea that everyone deserves a decent place to live by declaring that the first Monday of October would be celebrated as World Habitat Day. It was first celebrated in 1986. The purpose of the day is to reflect on the state of our cities and towns and the basic human right to adequate shelter. It also aims to remind the world of its collective responsibility for the habitat of future generations. He informed that the present union government is also aiming to provide affordable housing for all and has embarked on very ambitious mission. However, a concerted effort by all stakeholders would be essential for achieving desired outcomes.

Shri Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) stated that as per the Census - 2011, 377 million Indians comprising 31.1% of the total population live in urban areas. The United Nations (UN) Habitat World Day's - 2016 Report estimates that urban population in India reached 420 million in 2015. According to one projection, the urban population in India would reach 590 million by 2030. While this progress is welcome, the extent of urbanization in India remains significantly below that in other major developing countries. According to the World Bank, urban population, as a proportion of the total population in 2015, stood at 86% in Brazil, 56% in China, 54% in Indonesia, 79% in Mexico and 82% in South Korea.

To facilitate economic transformation, India needs to make room for increased urbanization while also imposing and ensuring the good quality of urban life. This requires orderly expansion of existing cities, conversion of larger but as yet rural agglomerations into towns and cities and building of green field cities.

Delivering his address, Chief Guest Shri A K Jain, Former Commissioner (Planning), Delhi Development Authority informed that 96% of Housing Shortage pertains to EWS and LIG. Continuing his statement Shri Jain mentioned that due to acute shortage of Housing for poor, people are forced to live in Slum and jhuggi-jhompri clusters/basti/unauthorised colonies, Old City/villages, Public Housing- site and services, Public Housing -built up units and Private Housing.

Apprising about Housing for all Society, Shri Jain mentioned that the initiative taken by Government for private housing is aiming for a 20 Million Homes by 15th August 2022 @ 3 million units/ year. His address covered in detail various topics like Forty percent of Population in Slums lack Access to Toilet, Unplanned, Unauthorized Colonies -Progressive Construction and sub-division of plots, narrow streets, no common space, etc. Speaker informed that under Housing for All Mission - 2022 (Pradhanmantri Awas Yojana), various Housing Norm Reforms, Planning Controls and Regulations, Housing Upgradation and Urban Renewal, Urban Renewal and densification, Housing Cost Reduction Strategies and Optimizing Housing Resources have been initiated which have started making an impact.

Shri Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the event and proposed the vote of thanks.

Nearly 90 members, guests and invitees attended the function.

## **Two Days All India Seminar**

***Theme: "Real Estate Industry and Agricultural Potential Of India: Issues And Challenges***

*October 6-7, 2017*

Delhi State Centre - IEI organised two days All India Seminar on theme "Real Estate Industry and Agricultural Potential Of India: Issues And Challenges" during October 6-7, 2017. Dr. Man Singh, Project Director (Acting) & Professor, Water Science and Technology was the Chief Guest of the function and inaugurated the Seminar.

Shri Devendra Gill, Chairman, IEI-DSC delivered welcome address. Dr S M Goel, Convener, All India Seminar delivered the theme address. Shri Pradeep Chaturvedi, Council Member, IEI also graced the occasion and shared his views on seminar topic.

Chief Guest, Dr Man Singh in his address highlighted the critical issues that are not being addressed by the Government authority in ensuring the Agriculture potential of the Country as well as Real Estate Sector. Shri Praveen K. Singh, Honorary Secretary, Delhi State Centre, IEI presented the vote of thanks.

A large number of papers on various topics, such as Role of Agriculture Machinery, Agriculture and Real Estate Industry-Balanced Development, Independent Development of Real Estate Industry, Real Estate Industry and Natural Resources and Agriculture & its Present Scenario etc were presented and discussed during the plenary sessions and Technical Sessions.

### **World Standards Day- 2017**

**Theme: “Standards Make Cities Smarter”**

*October 14, 2017*

Delhi State Centre of The Institution of Engineers (India) organized World Standards Day - 2017 on theme “Standards Make Cities Smarter” on October 14, 2017 at Institution's premises. Dr Girdhar J Gyani, DG, Association of Healthcare Providers (India) was the Chief Guest of function and delivered key-note address on topic “Smart Hospitals”.

Shri Devendra Gill, Chairman, Delhi State Centre in his welcome address apprised the gathering about the theme of the World Standards Day – 2017. He informed that each year on 14 October, the members of the IEC, ISO and ITU celebrate World Standards Day, which is a means of paying tribute to the collaborative efforts of the thousands of experts worldwide who develop the voluntary technical agreements that are published as international standards. Building a smart city is highly complex. Every city faces its own challenges and requires its own mix of solutions. However, there is one common denominator that greatly simplifies this task. Mr Gill mentioned that Standards open the door to a larger choice of products and services and they provide important guidance for all aspects of city life, including energy efficient buildings, intelligent transportation and improved waste management, building sustainable communities and much, much more.

Speaking on this occasion Shri Pradeep Chaturvedi, Council Member, IEI stated that Standards in conformity assessment activities are inextricably linked to all facets of our business. Companies who are more successful in their sectors recognize that standards and conformance are business tools that should be managed right alongside their quality, safety, intellectual property and environmental policies. In addition, standardization and conformity assessment activities lead to lower costs by reducing redundancy, minimizing errors and reducing time to market. Standards have been in existence for many years. At one time they were thought as being the lowest common denominator, restricted and of little importance. That has changed. Today, standards are recognized as being essential to helping companies to be innovative, reduce costs, improve quality and maintain competitiveness in an international market place.

Delivering his address in Hindi, Chief Guest of the function, Dr Girdhar J Gyani stated tremendous shift has happened on the concept of Healthcare. In Early days, Healthcare was considered as Simple, Ineffective & Safe while in modern times it is considered as Complex, Effective yet Unsafe. Dr Gyani mentioned that today's Healthcare is Organizational System with complex embedded processes to deliver care. Lamenting on the current scenario of Healthcare, Dr Gyani mentioned today Patient are not feeling satisfied due to various reasons, as they want the best services with minimum cost, want fast result, as well there is a atmosphere of mistrust and suspicion etc.

Highlighting the issues on Quality in Healthcare services, Dr Gyani mentioned that Quality (Patient Safety) and Affordability are major challenges currently. It is reported that whopping 5.2 million medical errors are being observed annually in India and it has become imperative to incentivize quality and promote 'Pay for Performance model'.

Speaking on latest concept “Smart Hospital”, Dr Gyani mentioned that it is where technology & design converge to create seamless patient care environment, better outcomes & quality of care at lower cost. Smart Hospital is one that stays smart well into the future, incorporates current and futuristic technology and focuses on provision of timely, safe and evidence based care to patients due to Smart infrastructure, Smart processes and Smart personnel.

Shri Praveen Kr Singh, Honorary Secretary, IEI-DSC proposed the vote of thank. Nearly 90 members, guests and invitees attended the function.

### **Two Days All India Seminar**

***Theme: "Energy Efficiency Intervention for Operation Cost Reduction in Manufacturing Industries"***

*November 3-4, 2017*

Delhi State Centre organised two-days All India Seminar on theme : “Energy Efficiency Intervention for Operation Cost Reduction in Manufacturing Industries” under the aegis of Mechanical Engineering Division Board during November 3-4, 2017 at Institution's Premises. Shri Satyendra Jain, Hon'ble Minister for Power, Health, PWD & Urban Development, Government of NCT of Delhi was the Chief Guest while Shri O P Goel, Past President, IEI was the Guest of Honour. Shri Abhay Bakre, Director General, Bureau of Energy Efficiency was the Key-note Speaker of Inaugural function.

Delivering the welcome address, Shri Devendra Gill, Chairman, Delhi State Centre-IEI stressed on development of broader road map in order to create awareness about Energy Efficiency and Energy Conservation at the grass root level. Shri Gill informed that IEI under its 115 Centres has been regularly organising events, at PAN India level focussing on this topics at regular interval. However, in order to get more concrete results, it has imperative to organise such activities regularly at each Industrial City.

Shri R K Yadav, Convenor of the Seminar briefed about the technical details of Seminar.

Shri Pradeep Chaturvedi, Council Member, IEI also graced the occasion and apprised about the involvement of various International organisations like World Energy Council WEC etc in propagating the agenda of efficient energy.

Shri Abhay Bakre, Director General, BEE delivering Key note address apprised audience about various multi-directions schemes being launched by Bureau of Energy Efficiency, in order to meet the objectives of National Action Plan of Climate Change. Shri Bakre informed that under National Mission for Energy Efficiency commendable result have been achieved under PAT Cycle-I. Efforts of Designated Consumers of PAT Cycle -II led to the saving of 8.67 MTOE against the target of 6.86 MTOE. This savings led to the reduction of CO<sub>2</sub> by 31 million tonnes.

Chief Guest, Shri Satyendra Jain, Hon'ble Minister for Power, Health, PWD & Urban Development, Government of NCT of Delhi appreciated the efforts of Delhi State Centre-IEI for conducting such seminar. Lamenting on the rising Energy Costs in the country, Shri Jain mentioned that efficient utilisation of Energy can only be achieved by reducing the charges of energy. Hon'ble Chief Guest suggested IEI to develop a long term policy plan for ensuring sustainability in Energy Security.

Shri Praveen Kr Singh, Honorary Secretary, Delhi State Centre proposed the vote of thanks.

A large number of papers on various topics, such as Energy Efficiency Programme Implementation; Regulations & Standards, Energy Efficiency Impact On Operation Cost, Case Studies: Achievements through Energy Efficiency, Economics of Energy Efficient Projects : Focus on MSME, Renewable Energy



92<sup>nd</sup> Annual Report

Options and “Energy Saving Options in Utilities etc were presented and discussed during the Technical Sessions.

Nearly 100 delegates, guests, members and invitees attend the seminar.

**91st Annual Day Function**

*November 4, 2017*

91st Annual Day Function of Delhi State Centre of The Institution of Engineers (India) was organised on November 4, 2017 at 1800 hrs at Institution's premises, after 91st Annual General Business Meeting. Shri K S Popli, CMD, Indian Renewable Energy Development Agency Ltd was the Chief Guest of the function. Shri Pradeep Chaturvedi, Council Member, IEI also graced the function.

Welcoming the Chief Guest and audience, Shri Devendra Gill, Chairman, Delhi State Centre-IEI highlighted the achievement of Delhi State Centre during the financial year 2016-17. He informed the gathering that during this period two very important responsibilities entrusted to Delhi State Centre by the IEI-HQ have been successfully discharged. Firstly, Council Meeting during June 30 - July 2, 2017 was held at hotel ITC Welcome, Dwarka and later 1st North Zone IEI Alumni Meet was successfully organised on September 3, 2017. Both these programmes have been successfully conducted and have received appreciation from all those who attended.

He also highlighted that all necessary efforts have been made to improve the financial position of Delhi State Centre by maximising the resources like hiring out of premises on rental basis as well as minimising expenses by judicial pending. He stated that personally IEI is passing through a very exciting phase wherein at one hand we are launching series of Training Programmes, Conferences, Seminars to mark the celebration of Centenary year for IEI in the year 2020 and on the other hand grant of recognition of AMIE qualification is also in the advance stage by competent authority. IEI HQ has been very confident to get a positive and favourable verdict. Shri Devendra Gill, Chairman, DSC-IEI also requested all members to come forward and join the mission of making DSC as the Best Centre of the IEI in India. In next one year, present committee of DSC has planned wide range of technical programmes viz Quality Conclave, National conventions and Safety Convention which is a flagship event organised by Delhi State Centre under the aegis of SQF.

Presenting the Annual Report Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre-IEI apprised audience about various key actions taken, during the last financial year, in order to ensure wider participation of members in the various activities of the Centre. He further mentioned that Centre has successfully implemented various financial measures to order to ensure handling of Finances in a transparent & effective way.

Shri Pradeep Chaturvedi, Council Member, IEI narrated the glorious past of Delhi State Centre, which was established before partition of united India in the State of Lahore as North West Frontier Centre. After partition, it was moved to Shimla and later finally got established as Delhi State Centre at its present premises. He narrated contribution of Maj Gen Harkirat Singh on developing this Centre infrastructure in the most professional manner. He said that time has come to have an iconic building of Delhi State Centre at present premises which would be a befitting move for depicting achievement during the centenary year.

The Chief Guest, Shri K S Popli, Chairman & Managing Director, IREDA shared high appreciation for the good work Delhi State centre has been performing and keeping the flag of IEI high. He showed his happiness to get associated with the Centre and ensured continued cooperation and support of IREDA for

activities of Delhi State Centre, The Institution of Engineers (India). He said that organisation is committed to the common goal of promoting Science & Technology for National Growth. He congratulated the Chairman and Honorary Secretary and complimented Shri Pradeep Chatuvedi, Council Member, IEI alongwith the entire Committee of Delhi State Centre for the most professional approach shown during the last year. He wished that the team will continue and work with the same enthusiasm and zeal for achieving outstanding results in the coming year also.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre-IEI proposed the vote of thanks.

Nearly 100 Corporate Members, Past Chairmen & Honorary Secretaries, Guests Students of Delhi State Centre and invitees attended the function.

### **Technical Programme**

***Theme: "High Rise Building Fires with Specific Reference to Recent London Fire Tragedy"***

*November 18, 2017*

Safety & Quality Forum and Delhi State Centre of The Institution of Engineers (India) jointly organized a Technical Programme on the topic "High Rise Building Fires with Specific Reference to Recent London Fire Tragedy" on November 18, 2017 at Institution's Premises. The activity comprised of Technical Talk and Screening of a movie titled "Towering Inferno".

Shri Devendra Gill, Chairman, Delhi State Centre welcoming Corporate Members, Guests, Invitees, Safety Professionals and Students informed that like always, this time we have chosen a very relevant topic of "High Rise Building Fires with Specific Reference to Recent London Fire Tragedy". He narrated that High Rise building fires cause serious threat to the Safety of its occupants. Many of them may get trapped and killed because of smoke. Due to inherent design philosophy of high rise building, rescue and fire fighting from outside is not feasible.

Shri R C Sharma, Former Director, Delhi Fire Services, Chief Guest of the function presented a very exhaustive coverage of challenges local fire and emergency services face while carrying out their duty of rescue and fire fighting in cities. The emergency responders have not only to face variety of fires but also the difficulty in accessing the fire locations. Any city with old construction, congested road, narrow lanes and by-lanes, unplanned, unauthorized construction etc also cause big risk to the life of fire fighters. When it comes to high rise building, situation is more critical because people get trapped at un-approachable height and the building design sometime support the growth and spread of fire. Saving life is of paramount responsibility of emergency responders. However to do so, fire needs to be controlled and extinguish. Modern building have to be equipped with State of Art fire protection technologies to ensure safety of their occupants.

Screening of Movie titled "Towering Inferno" was carried out during the programme. Movie highlighted the world's tallest building catching fire during its grand opening leading to multiple fatalities. The Towering Inferno also brought attention to safety issues regarding tall buildings, as well as recognizing the men and women who were committed to helping in perilous situations. As its opening credit message indicated: "To those who give their lives, so that others may live--to the firefighters of the world--this picture is gratefully dedicated." This movie reportedly inspired an increase in safety awareness with a reexamination of building codes in many cities, and it had a personal effect on quite a few people.

It was a very informative technical programme and was appreciated by all the Participants.

**Energy Conservation Day- 2017***December 14, 2017*

Delhi State Centre of The Institution of Engineers (India) and The Institution of Engineering & Technology (Delhi Local Network) organized Energy Conservation Day - 2017 on December 14, 2017 at Institution's premises. On this occasion, Shri M K Gupta, Former Director (Technical), Delhi Vidyut Board and Advisor (Energy), DPS Society was the Chief Guest of the function.

Delivering the Welcome Address, Shri Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) mentioned that India is one of the earliest countries who have focused on energy conservation. At the time of World Energy Congress in 1983, India had an Advisory Board on Energy under the Chairmanship of late Shri K C Pant, which highlighted the global community, the efforts made by India. Petroleum Conservation Research Association (PCRA) was established in 1997 to look into various aspects of petroleum conservation. Shri Chaturvedi informed that Energy Conservation is effort made to reduce the consumption of energy by using less of an energy service. This can be achieved either by using energy more efficiently (using less energy for a constant service) or by reducing the amount of services used (for example, by driving less).

Shri R N Rajpoot, Chairman, The Institution of Engineering & Technology (Delhi Local Network) in his address stressed on changing behavioral practice in order to achieve Sustainable result in Energy Conservation. He also apprised audience about various activities being conducted by IET (UK) in order to achieve Energy Efficiency.

Chief Guest of the Function, Shri M K Gupta, Former Director (Technical), Delhi Vidyut Board and Advisor (Energy), DPS Society in his address highlighted on key-issues that are causing abundant wastages of energy as well as other resources like food, environment, water, etc. Mr. Gupta stressed that "Conservation is neither rationing nor denial, but it is reverence to nature". Address of Chief Guest covered various International case-studies wherein best practices have been adopted to save energy. He informed that Switzerland has not added any Power-Plant during the last decade, only due to adoption of best Energy Conservation practices.

Address of Chief Guest highlighted in details on the types of wastages in different sections. Referring to Transmission and Distribution losses management, Chief Guest expressed dissatisfaction for India's performance and mentioned that it is 35% against the best level of 4%.

Shri Praveen Kr Singh, Honorary Secretary, IEI-DSC proposed the vote of thanks.

**One Day All India Seminar*****Theme: "5G Technologies & Future Scenario"****December 16, 2017*

Delhi State Centre of The Institution of Engineers (India) organised One Day All India Seminar on "5G Technologies & Future Scenario", under the aegis of Electronic & Telecommunication Engineering Division Board on December 16, 2017 at Institution's Premises.

Shri Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) delivered the welcome address.

Shri V K Gupta, Convenor of the Seminar briefed about the technical details of Seminar.

Shri Anil Kaushal, Member (Tech), Telecom Regulatory Authority of India was the Chief Guest while Shri Bharat Bhatia, President, ITU-APT Foundation of India and Shri Vipin Tyagi, Executive Director, C-DoT were Guests of Honour of the Inaugural Function. Shri Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) delivered the welcome address. Shri P K Garg, Wireless Adviser to the Govt. of India (Retd.) & Former Chairman, Radio Regulations Board, ITU apprised participants about Technologies and Hardware Road Map as well as Spectrum related issues for 5G eco system. Shri V K Gupta, Convenor of the Seminar briefed about the technical details of Seminar. Guest of Honour Shri Bharat Bhatia, President, ITU-APT Foundation of India in his address spoke on the overview of 5G and highlighted on key features of 5G. Chief Guest, Shri Anil Kaushal, Member (Tech), TRAI in his address appreciated the efforts of Delhi State Centre-IEI for conducting such seminar especially on the strategies of TRAI. Shri Kaushal informed that TRAI has recommended releasing of E-band spectrum for backhaul. Shri Rahul Meena and Ms Kiran Chaudhary, C-Dot presented a Demo of SAMVAD APPLICATION. Samvaad is a mobile application that enables interaction between citizens and their elected representatives.

Shri Praveen Kr Singh, Honorary Secretary, Delhi State Centre proposed the vote of thanks.

#### **5th R K Vir Memorial Lecture**

*January 5, 2018*

Delhi State Centre of The Institution of Engineers (India) jointly with The Institution of Railway Electrical Engineers (IREE), The Institution of Engineering and Technology (IET) - Delhi Local Network and Institute of Electrical and Electronics Engineers (IEEE) organized 5th R K Vir Memorial Lecture on January 5, 2018 at Institution's Premises, New Delhi. Shri Piyush Goyal, Honorable Minister of Railway & Coal, Government of India was the Chief Guest of the Function.

Delivering the welcome address Shri Devendra Gill, Chairman, Delhi State Centre, The Institution of Engineers (India) mentioned that today's Memorial Lecture is special because Shri R K Vir was a fellow of The Institution of Engineers (India) and Delhi State Centre had conferred Lifetime achievement award on him during Engineers' Day on September 15, 2011. He said that today is more so special because father of Chief Guest of today's function has been blessing Delhi State Centre by his presence as Chief Guest in different functions between 2000 and 2005. He shared his satisfaction on collaborative initiative of likeminded professional bodies who have joined today for honoring Shri R K Vir, an Engineer of high stature. He assured that Delhi State Centre, IEI shall continue to extend its support for such activities in future also.

Chief Guest of the function, Shri Piyush Goyal, Honorable Minister of Railway & Coal, Government of India remembered Late Shri R K Vir as he and his father did Engineering from Banaras Hindu University together in 1949. He stated that Late Shri R K Vir would always be remembered amongst the Pioneers who contributes in the initial stages for construction of the Railway System in India. Honorable Minister stated that Indian Railways was also a charm for people to travel, which needs to be revived back. He informed that present Government has taken many initiatives like 100% electrification of total Railway Network, for which every year 1500 kilometers work is being completed. The target for future is 6400 kilometers and then 8000 kilometers per year on sustainable basis. He stated that Indian Railway need to give safe journey and pleasure to travel to nearly 2.5 crore passengers every day. In addition, Indian Railway also carries over 1.1 billion tonnes of freight every year.



He stated that Indian Railway have to make right choices and ensure that it do justice to the nation and show change in a 106 year old organization, Indian Railway have to introduce latest technologies in quick time. Indian Railway have a proactive plan ahead of time for safer, better quality systems and ensure integration of systems for effective results for which Indian Railway employees has to work together and show utmost commitment. Trains have to be run on time so that passengers are not affected and goods move at a faster pace and delivered when promised.

Shri Ghanshyam Singh, Member Traction, Railway Board and Ex officio Secretary to Govt of India delivered the key-note address on theme: "Electrification of 100% BG network of India Railways". Shri Singh stated that this event is significant in view of Railways proposal to enhance plan outlay to highest level of Rs. 1.46 lakh crores in next fiscal up from Rs. 1.31 lakh crores for the current financial year. His address focused on electrification of 8000 km of Rail track and commissioning of 4000 km of new lines which will be another record in capacity building exercise of Railways.

Guest of Honour, Shri Prakash Narayan, Former Chairman, Railway Board delivered 5th R K Vir Memorial Lecture on the theme: "Creating Visionary Management along with Professionalism". Shri Prakash Narayan has been Chairman, National Transportation Safety Board, Chairman, Railway Board and Principal Secretary to Govt of India; Secretary Shipping & Transport and Secretary, Works & Housing Govt of India.

The Session was also addressed by Dr Subrata Mukhopadhyay, Chairman/IEEE-Delhi Chapter, Shri V K Agrawal, Add. Member, Elect./ Railway Board & President / IREE, Shri R N Rajpoot, Chairman/IET DLN, Shri N Venkatesan, Former Member Electrical/RB, Past Chairman, IET/DLN and Shri V K Dutt, Former Add. Member / Railway Board.

Shri Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre proposed the vote of thanks.

### **Road Safety Week 2018**

**Theme: "Avoid Over-speeding - Prevent Accidents"**

*January 8-14, 2018*

Delhi State Centre and Safety & Quality Forum jointly organized a lecture on the occasion of Road Safety Week 2018 on theme: Avoid Overspeeding-Prevent Accidents on January 12, 2018. Shri Dendendra Pathak IPS, Spl. Commissioner of Police- Traffic, Delhi Police was the Chief Guest of the Programme.

Sh. Devendra Gill, Chairman, Delhi State Centre, delivering the welcome address sought the attention of audience towards the rising numbers of Road Accidents in the Country and mentioned that holistic approach and strategy is needed to curb this menace. He narrated that Road Safety Week observation is being initiated by the Ministry of Road Transport and Highways (MoRTH). With a view to supplement the efforts of the Ministry, National Safety Council announce Road Safety Week observation in the 2nd week of January every year. SQF & DSC in their own humble way are contributing to this national cause by organizing the Road Safety Week.

Lt Gen J S Ahluwalia, Chairman, Safety & Quality Forum-IEI in his address stressed on revamping of Traffic Management System to achieve the objective of Road Safety. He informed that various cities in world like Singapore, Dubai etc have adopted stringent Safety Prosecution System alongwith total automation of Traffic Management in order to successfully handle these critical issues.

Chief Guest Shri Dependra Pathak, IPS delivering theme address mentioned that number of road accidents in Delhi is gradually reducing due to pursuant effort of Delhi Police. Shri Pathak further mentioned that Continuous Prosecution and tracking are the key strategies that led to this achievement. However, still a lot has to be done to completely eradicate this problem. Referring to the future plan of Delhi police for reducing Traffic Congestion in Delhi, Shri Dependra Pathak mentioned that the option of aggressive usage of Artificial Intelligence is being explored. Shri Dependra Pathak, IPS in his address also informed that Delhi Police is focusing on use of technology in big way to reduce the number of accidents. Awareness campaign in Schools and Colleges and other locations have also been successful in creating the awareness among the public.

Shri Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the event and proposed the vote of thanks.

Nearly 120 members, guests and invitees attended the function.

### **Two Days All India Seminar**

***Theme: "National Electric Mobility Mission 2020"***

*January 19-20, 2018*

The Seminar was organised by Delhi State Centre of The Institution of Engineers (India) in association with The Institution of Engineering and Technology (IET) - Delhi Local Network. Shri Abhay Bakre, Director General, Bureau of Energy Efficiency, Govt of India, Ministry of Power was the Chief Guest of the Inaugural function.

Delivering the welcome address, Shri Devendra Gill, Chairman, Delhi State Centre-IEI mentioned that National Electric Mobility Mission Plan 2020 is one of the most important and ambitious initiatives undertaken by the Government of India that has the potential to bring about a transformational paradigm shift in the automotive and transportation industry in the country. Shri Devendra Gill, Chairman, Delhi State Centre-IEI further mentioned that this is a culmination of a comprehensive collaborative planning for promotion of hybrid and electric mobility in India through a combination of policies aimed at gradually ensuring a vehicle population of about 6-7 million electric/hybrid vehicles in India by the year 2020 along with a certain level of indigenization of technology ensuring India's global leadership in some vehicle segments.

Shri V K Gupta, Co-Convenor of the Seminar briefed about the technical details of Seminar.

Shri R N Rajpoot, Chairman, The Institution of Engineers (India), Delhi Local Network stated that E-mobility is one of ambitious project of GOI like electrification of Indian Railways. For successful E mobility project there is needs to create necessary infrastructure of charging points at offices and home. There is need to create principles of charging electrical vehicles. It is important that Electricity Regulatory body shall not create separate class of billing. It is expected that first 1000 cars for govt use are likely to be inducted in 2018.

Shri Pradeep Chaturvedi, Council Member, IEI also graced the occasion and in his address apprised about the prospects of Mobility. He mentioned that E-Mobility is considered as a key factor in socio-economic development of the country. Heavy dependence on automotive transport system also places heavy foreign exchange burden on the country for import of crude oil for transportation purpose. Its consequent adverse impact on the climate with increasing GHG emissions is a deep concern for all countries, especially India.

Improvement in economic growth and better social development standards is also resulting in higher mobility requirements.

Chief Guest of the Inaugural Function, Shri Abhay Bakre, Director General, BEE in his address elaborately spoke on the various environmental issues impacting the society and India's commitment towards reduction of GHG emission. Shri Abhay Bakre mentioned that success of E-Mobility will drastically reduce GHG emission. Chief Guest stressed that focus should be laid on use of Transport Mechanism with electric supply. Rail Transport is economical and environmental friendly option mentioned wrt to Road Transport, Shri Bakre, Chief Guest concluding his address shared strategies and vision to reduce GHG emission by adopting energy-efficient technology.

Shri Praveen Kr Singh, Honorary Secretary, Delhi State Centre proposed the vote of thanks. Nearly 100 participants, Invitees and Guests attended the Seminar.

### **31st National Convention of Agricultural Engineers**

**Theme: "Engineering Interventions in Doubling the Income of Small and Marginal Farmers by 2022"**

*February 2-3, 2018*

The Institution of Engineers (India), Delhi State Centre organized 31st National Convention of Agricultural Engineers on the theme: Engineering Interventions in Doubling the Income of Small and Marginal Farmers by 2022 during February 2-3, 2018, under the aegis of Agricultural Engineering Division, at Institution's premises. Shri Narendra Bhooshan, IAS, Dy. Director General, UIDAI, Govt. of India was the Chief Guest of the Inaugural function. Shri Sisir Kumar Banerjee, President, The Institution of Engineers (India) and Shri Shyam Khadka, FAO Representative in India respectively blessed the occasion as Guests of Honour. Shri Devendra Gill, Chairman, IEI-DSC delivered the welcome address. Mr. Pradeep Chaturvedi, Chairman of Technical Committee informed in his address that Agriculture is central to meeting nutritional needs of India and also remains the largest sector of India's economy as a source of employment. Dr. HG Kamble, Convener of National Convention in his address briefed about the details of various technical sessions. Dr. Indramani Mishra, Head-Division of Agricultural Engineering, ICAR-IARI delivered the theme address. Prof. Gajendra Singh, Former DDG (Engg), ICAR; Former VC, Doon University delivered the key-note address on the occasion. Prof Singh informed that Farm mechanization in India has come a long way during the last 60 years and still there is tremendous scope as it is required in every unit operation of agricultural production, post-harvest, food processing and rural living. Guest of Honour of the function Shri Sisir Kumar Banerjee, President of IEI in his address stressed that all round agricultural development with the application of innovations in the domain of Science & Technology has become a paramount necessity. Shri Shyam Khadka, FAO Representative in India and Guest of Honour of the function in his address informed that Hon'ble Prime Minister of India has set a target for doubling farmers income by 2022. Dr Nutan Kumar Dash, Chairman, Agricultural Engineering Division Board, IEI in his address stated that Agricultural engineering plays a very vital role in India for changing national economy in future days to come. Our ultimate goal is to contribute our genuine inputs in the sustainable food production to meet the maximum food requirement of the country alongwith raising economy of farming communities/stake holders. Chief Guest Shri Narendra Bhooshan in his address raised concerns over various key-issues that are posing challenges to Food Security. Vote of thanks was presented by Shri Praveen Kr. Singh, Honorary Secretary, IEI-DSC.

Two key-feature of this event viz. "STATE OF ART LECTURE" and RATHINDRANATH TAGORE MEMORIAL LECTURE were delivered by Eminent Personality during the convention.

A large number of papers on various topics, such as Technologies for Small Farm Mechanization, Farm Mechanization for Input Saving and Enhancing Productivity, Post Harvest Engineering and Value Addition for Farm Profitability and Advancement in Irrigation for Enhancing Water Productivity etc were presented and discussed during the plenary sessions and Technical Sessions.

### **National Safety Week-2018**

**Theme: "Reinforce Positive Behavior at the Workplace to Achieve Safety & Health Goals"**

*March 10, 2018*

Delhi State Centre and Safety & Quality Forum of The Institution of Engineers (India), jointly organized a lecture on the occasion of National Safety Week 2018 on theme: "Reinforce Positive Behavior at the Workplace to achieve Safety & Health Goals" on March 10, 2018 at Engineers Bhawan, New Delhi.

Delivering the welcome address, Shri Devendra Gill, Chairman, Delhi State Centre informed that in view of the national safety week celebration, Safety & Quality Forum and Delhi State Centre have been jointly conducting various Programmes to inculcate the culture of Safety at grass root level. Shri Gill mentioned that during the course of last one year, Safety & Quality Forum has organized various Skill Development Programmes on key Safety issues that have been adversely affecting our society.

Key Note speaker, Shri Prabhu Narayan Singh, Head Safety (Mfg & Customer Services-India), M/s FLSmidth Private limited in his address focusing on the topic: "Reinforce Positive Behavior at the Workplace to achieve Safety & Health Goals" mentioned that the sustainable achievement in Safety and goals of any organizations can only be achieved when the concept of safety propagates from top to bottom.

Shri Singh in his address highlighted various strategies and tools that can be used to disseminate the culture of safety. He mentioned that apart from stringent control measures, good work place safety can only be achieve when all the activities are conducted with the complete involvement of all employees and some motivational reward are also conferred to the best performer. Shri Singh presentation focused in details on the various issues of work place safety spread in industrial environment. Concluding his address Shri P N Singh informed that today 96% of work place industrial accidents occurs due to unsafe act while only 4% are responsible for unsafe conditions. Hence ensuring positive work place safety culture is key to ensuring sustainable safety and health achievement.

Shri Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the event and proposed the vote of thanks.

### **One Day Workshop**

**Theme: "Safety during working in Confined Space"**

*March 17, 2018*

Delhi State Centre jointly with Safety & Quality Forum of The Institution of Engineers (India) organized One day Workshop on "Safety during Working in Confined Space" on March 17, 2018 at Institution's Premises. Workshop was sponsored by M/s Quality Austria Central Asia and M/s Emprise Marketing respectively.

Shri Abhai Sinha, Director General, Central Public Works Department was the Chief Guest of the Inaugural Function. Workshop started with ceremonial Lighting of Lamp in the Inaugural Function.



Delivering welcome address Mr Devendra Gill, Chairman, Delhi State Centre, IEI mentioned that workshop's topic has been selected considering the fact that in recent time there have been few accidents with workers having entered into the Confined space and getting seriously affected by the hostile environment of confined space. Human lives have been lost. The other bothering issue is that in such accidents, multiple fatalities occur as people enter into the confined space one behind the other.

Delivering the workshop address, Shri K B Rajoria, Immdt Past Chairman, Safety & Quality Forum informed that Safety & Quality Forum has been established in the year 2003 by the Institution of Engineers (India) with the mission. "To Create a Culture of Safety & Quality, Through Ethical & Professional Practices & to Promote Working Environment". Shri Rajoria in his address cited various initiatives taken by Safety & Quality Forum to propagate the culture of Safety in every facets of life.

Chief Guest of the function, Shri Abhai Sinha, Director General, Central Public Works Department in his address mentioned that safety concerns have always been of paramount importance in the construction industry. Worksites have complex environments with workers from multiple trades interacting in challenging physical environments. He also mentioned that the key strategies to achieve safe working conditions at work sites is by ensuring that safety issues are closely planned, organized, controlled, monitored and reviewed.

On this occasion, Shri Dharmvir Singh Radhu, Fire Officer, Airport Rescue and Fire Fighting Team, M/s GMR Hyderabad International Limited was felicitated for his Brave Act of Saving Human Lives during a Building's fire rescue operations at Shamshabad, Hyderabad. Shri Radhu briefly explained about the sequences of unprecedented events occurred on that day and explained adverse circumstances under which he took such bold initiatives. Shri Radhu mentioned that escalation of fire would have led to more devastating impact as source of fire was closely located to Medical Shop and Housing Society.

On this occasion, sixteen IEI Alumni's were felicitated with Scroll of Honour for their long association with Delhi State Centre of The Institution of Engineers (India).

Workshop started with Screening of a Movie and followed by specialized talks by Eminent Speakers.

The participants represented various organization viz. BHEL, FLSmidt, NTPC, DMRC, their contractors and UPES, Dehradun.

Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre coordinated the programme & delivered the Vote of Thanks.

## **WORLDWATER DAY 2018**

*Theme: "Nature for Water"*

*March 22, 2018*

Delhi State Centre of The Institution of Engineers (India) organized World Water Day 2018 on the theme "Nature for Water" on March 22, 2018 at Engineers Bhawan, New Delhi 110002. Shri Vinay Shanker, Former Secretary, Ministry of Rural Development, Govt of India, was the Chief Guest of function. Shri Yogesh Sharma, Chief Engineer (Retd), U P Jal Nigam and Director, (Retd), Ministry of Env. & Forest, GoI delivered the theme address.

Welcoming the Chief Guest Shri Devendra Gill, Chairman, Delhi State Centre, IEI informed the audience that the theme of this year's "Nature for Water". He mentioned that realizing the current scenario of water shortage in the country, in the global environment it is expected that next world war will be on water issue.

He also mentioned that damaged ecosystems affect the quantity and quality of water available for human consumption. Environmental damage, together with climate change, is driving the water-related crises, we see around the world. Floods, drought and water pollution are all made worse by degraded vegetation, soil, rivers and lakes. He added that Nature-based solutions have the potential to solve many of our water challenges. We need to do so much more with 'green' infrastructure and harmonize it with 'grey' infrastructure wherever possible. Planting new forests, reconnecting rivers to floodplains, and restoring wetlands will rebalance the water cycle and improve human health and livelihoods.

Shri Yogesh Sharma, Chief Engineer (Retd), U P Jal Nigam and Director, (Retd), Ministry of Env. & Forest, GoI in his address apprised about the various key issues relating to water passage in India. He informed that various initiative of Indian Government like Clean Ganga have not been able to achieve their expected results. Lamenting on the current water situation in the Country and in metro cities, Shri Sharma mentioned that these Crises have led to the involvement of various other prospering business like water tanker supply business, RO Industries and Bottling industries.

Chief Guest Shri Vinay Shanker, Former Secretary, Ministry of Rural Development, Govt of India in his very elaborative address focussed on various challenges being faced by the county in order to ensure water availability. Hon'ble Chief Guest stated that various contrary action have actually led to ineffective utilisation of the resources, due to which core issue of water shortage has not been addressed. Shri Vinay Shanker in his address also highlighted various strategies and tools available to mitigate the impact of water shortage in the country.

Shri Praveen Kr Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the event and proposed the vote of thanks.



**(Praveen Kumar Singh)**  
Honorary Secretary

Date : October 14, 2018

## Auditor's Report

### CHHABRA PRASAD & CO. Chartered Accountants

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#### 1. Report on the Financial Statements

We have audited the accompanying financial statements of The Institution of Engineers (India), Delhi State Centre, which comprise of the Balance Sheet as at March 31st, 2018, signed by us under reference to this report and the related Income and Expenditure Account and the Cash Flow Statement for the year then ended and Schedules forming part of the accounts and a summary of significant accounting policies and other explanatory information.

#### 2. Management's Responsibility for the Financial Statements

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

#### 3. Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Institution's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

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Email : Chhabraprasad2007@gmail.com

## Auditor's Report

**4. Opinion**

In our opinion and to the best of our information and according to the explanation given to us, the financial statements give the information in the manner so required and subject to the comments annexed in Annexure-III give a true and fair view in conformity with the Accounting Standards generally accepted in India;

- 4.1 In the case of the Balance Sheet, of the state of affairs of the Institution as at 31st March, 2018;
- 4.2 In the case of the Income and Expenditure Account, of the surplus for the year ended on that date; and
- 4.3 In the case of the Cash Flow statement, of the cash flows for the year ended on that date.

**5. Report on Other Legal and Regulatory Requirements**

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

**6. We further report that,**

1. Subject to the comments annexed in Annexure-III, We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;
2. In our opinion proper books of accounts as required by law have been kept by the Institution so far as appears from our examination of those books;
3. The Balance Sheet, the Statement of Income and Expenditure, and the Cash Flow Statement dealt with in this Report are in agreement with the books of account and with the returns received from the centres not visited by us.
4. The aforesaid financial statements comply with the Accounting Standards issued by the Institute of Chartered Accountants of India.
5. The reports on the accounts of the centres audited by the centre auditors have been sent to us and have been properly dealt with by us in preparing this report.
6. We further report that according to the information and explanation given to us:
  - i. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements.
  - ii. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses.

For **Chhabra Prasad & Co.**  
Chartered Accountant  
Firm Registration No. 016392N

Sd/-  
**Sanjeev Chhabra**  
FCA, Prop.  
M. No. 96325

Date : 23.06.2018  
Place : New Delhi



## Balance Sheet

**Balance Sheet as at 31st March, 2018***Annexure - I*

31 <sup>st</sup> March 2017 Rs.	Liabilities	Schedules	31 <sup>st</sup> March 2018 Rs.	31 <sup>st</sup> March 2017 Rs.	Assets	Schedule	31 <sup>st</sup> March 2018 Rs.
1,60,44,647	Reserve & Surplus	7	1,89,31,939	1,07,59,645	Fixed Assets	1	1,08,19,300
32,48,287	Earmarked Funds	8	32,04,119	18,39,707	<u>Investments - Long Term</u> Fixed Deposits with Banks	2	22,93,012
				1,00,700	<u>Current Assets</u> Stock	3	1,00,700
				52,29,066	Sundry Receivables	4	61,80,107
				42,45,248	Cash & Bank Balances and short term Fixed Deposits with Banks	5	48,92,371
32,04,569	Current Liabilities & Provisions	9	22,93,424	-	Other Advances	6	-
<b>2,24,97,503</b>	<b>TOTAL</b>		<b>2,44,29,481</b>	3,23,139	Interest Outstanding and accrued on Investments	2	1,43,991
				<b>2,24,97,503</b>	<b>TOTAL</b>		<b>2,44,29,481</b>

Notes to Account

10

This is the Balance Sheet referred to in our report  
of even date.

For **Chhabra Prasad & Co.**  
Chartered Accountants  
Firm Registration No. 016392N

**Sd/-**  
**Sanjeev Chhabra**  
FCA, Prop.

**Sd/-**  
**Devendra Gill**  
(Chairman)

**Sd/-**  
**Praveen Kr. Singh**  
(Honorary Secretary)

**Place : New Delhi**  
**Dated : 23.06.2018**

## Income &amp; Expenditure Account

Annexure - I

## Income & Expenditure Account for the year ended 31st March, 2018

2016-2017		2017-2018		Total	2016-2017		2017-2018		Total
R & D	Education	EXPENDITURE	R & D	Education	R & D	Education	R & D	Education	
3,80,733	11,42,199	Salaries and Allowances, etc. to Permanent staff	70,970	2,12,911	2,83,881				
4,18,863	12,56,589	Salaries and Allowances, etc. to Temporary staff	5,87,761	17,63,284	23,51,045	5,26,016	15,78,049	For Annual Recurring Grant	5,35,898.50
	20,14,350	Direct Expenses on Education, Examination and Accreditation Services		16,53,801	16,53,801	1,11,536	3,34,609	For Manpower Grant	1,54,612.25
						67,939	2,03,816	For Sr/Jr Most Salaries	25,509.75
							22,21,606	For Examinations advances	19,97,345
2,29,051		Technical Publication	3,04,652		3,04,652	15,000		For Technical activities	1,32,500
		Expenses for National Convention of Division	4,11,340		4,11,340			For Council Meeting Grant	16,00,000
25,98,756		Expenses for Seminars and Symposia	39,87,470		39,87,470			For Engineering Congress Grant	
3,25,610		Expenses on Technical Activities Refresher Course	4,41,177		4,41,177			For Special Repairs Grant	
		Lecture						For Land and Building Grant	70,000.00
18,227		Expenses for Technicians' Chapter	9,416		9,416			For Non conventional energy Grant	2,10,000
	2,69,570	Expenses for Continuing Education Prize Awarded		4,66,424	4,66,424	1,500	4,500	For Incentives	7,125.00
		Expenses for Lectures				37,695	1,13,085	For Election Grant	39,589.50
1,18,363		Annual General Meeting Expenses	2,57,038		2,57,038			For Special Grant	
47,185		General Meeting Expenses	33,444		33,444			For Convocation Grant	
		Indian Engineering Congress Expenses						For Technician/students chapter	82,093
								For Technical publications	1,50,000
								For National convention	75,000
								For Jubilee celebration	
								For opening New centre	
								For Best Centre award	
								For procurement of hardware for election	
								For reimbursement of TA/DA	
								For Medical reimbursement	2,100.25
								For Leave encashment	6,301
								For Bonus/ Exgratia	8,401

## Income &amp; Expenditure Account

2016-2017		2017-2018		2016-2017		2017-2018	
R & D	Education	EXPENDITURE	Total	R & D	Education	INCOME	Total
1,46,139	4,38,417	Election Expenses		2,40,000		For Others (if any)	2,40,000.00
729	2,186	Bank Charges	11,292			Advertisement	31,844.50
1,53,030	4,59,090	Charges General	7,63,527	33,764	1,01,292	Interest from Investments and Banks Fixed Deposits	31,073.62
		Insurance Charges				Interest from Savings Bank Accounts	46,665.67
1,54,189	4,62,566	Rent, Rates and Taxes	6,96,223	28,432	85,295	Receipts for National Convention of Division	44,712
73,867	2,21,602	Refreshment Expenses	3,59,975			Registration Fees received from Seminars and Symposia	22,00,656
5,000	15,000	Statutory Audit Fees	22,000	14,66,434		Sponsorship fees	19,40,424
		Other Auditors' Fees	15,000			Donations	
		Internal Audit Fees				Receipts for Continuing education	14,46,010
		Legal Expenses				Receipts for Technicians' Chapter Refresher Course Lecture	
		Repairs and Maintenance :				Receipts for Technical Activities	
2,72,669	8,18,006	- Buildings	16,50,752	3,27,208	9,81,623	Grant for Prize and Journal	
97,200	2,91,599	- Others	5,07,821			Hall/Space rent	21,94,256
	1,11,189	Books and Periodicals	80,577			Rent received from guest house accommodations	2,12,999
32,305	96,914	Travelling and Conveyance	70,207	14,45,236	43,35,707	Liabilities no longer required written back	72,260.25
24,600	73,800	Travelling reimbursement to Council/Committee Members & Other Expenses for Meetings	1,14,866	2,62,940		Sale of Institution Ties and Badges	2,16,781
1,250	3,750	Bad Debts written off	5,61,553			<b>GRAND TOTAL</b>	<b>1,13,35,329</b>
		Fixed assets written off	1,51,647				<b>2,29,65,480</b>
				1,02,42,280	98,35,909		
				63,91,149	1,00,14,330		

This is the Income and Expenditure Account referred to in our report of even date.

**For Chhabra Prasad & Co.**  
Chartered Accountants  
Firm Registration No. 016392N

**Sd/-**  
**Sanjeev Chhabra**, FCA, Prop.  
Membership No. 096325

Date : 23.06.2018  
Place : New Delhi

**Sd/-**  
**Praveen Kr. Singh**  
Honorary Secretary

**Sd/-**  
**Devendra Gill**  
Chairman

## Schedule

*Schedule-3***Schedule of Stock annexed to and forming part of Balance Sheet as at 31st March 2018**

31st March, 2017			31st March, 2018	
Amount	Amount		Amount	Amount
	1,00,700.00	Stock of Ties (IEC-2012)		1,00,700.00
	<b>1,00,700.00</b>	<b>TOTAL</b>		<b>1,00,700.00</b>

*Schedule-4***Schedule of Sundry Receivables annexed to and forming part of  
Balance Sheet as at 31st March 2018**

31st March, 2017			31st March, 2018	
Amount	Amount		Amount	Amount
	36,37,233	IEI-Headquarter Receivable		45,22,277.85
	1,42,191	Safety & Quality Forum		5,09,010.00
	43,732	IEC-2012		43,732.00
		GST- Recoverable		1,36,934.00
	684	Service Tax		
		<b>Sundry Debtors</b>		
	1,59,354	rites Limited		
	9,87,000	Other Receivable - Conventions/ Seminar		
	11,500	Syndicate Bank		
	33,350	Tata Project GYT-TPL Joint		
	3,504	Unique Art Studio		
	612	Recoverable from staff		
		Prakash Chand	1,315.00	
	115	C K Associates - Hall Contribution A/c		
		Dr B K Choudhury, FIE	22,420.00	
		FLSmith Private Limited	12,390.00	
		Indian Renewable Energy Development Agency Limited	2,50,000.00	
		ITC Limited - Kidderpore Plant	59,000.00	
		Mathura Refinery-IOCL	31,860.00	
		NTPC Limited-Dadri Coal	17,430.00	
	1,94,671	Quality Council of India	1,93,812.90	
	15,120	Smart Teach Studies Pvt Ltd	3,79,925.60	9,68,153.50
	<b>52,29,065.85</b>	<b>TOTAL</b>		<b>61,80,107.35</b>



## Schedule

*Schedule-5***Schedule of Cash & Bank Balances and short term Fixed Deposits with Banks annexed to and forming part of Balance Sheet as at 31st March 2018**

31st March, 2017			31st March, 2018	
Amount	Amount		Amount	Amount
		<b>DELHI STATE CENTRE</b>		
	101.00	Cash in hand		197.00
		<b>Cash at Bank</b>		
	18,41,425.53	Central Bank - Delhi State Centre	743895.82	
	1,33,057.00	Central Bank - 29th NCEE	56709.00	
	8,55,350.17	Central Bank - Safety Con. 2016	821485.17	
	18,867.99	Central Bank- Safety Con. 2015		
		Central Bank- Safety Con. 2017	1104975.89	
	1,24,539.00	Axis Bank - Building A/c		27,27,065.88
		<b>GUIDANCE CLASS</b>		
	12,71,907.76	Central Bank of India		38,238.76
		Central Bank of India - Sweep account		21,26,869.66
	<b>42,45,248.45</b>	<b>TOTAL</b>		<b>48,92,371.30</b>

## Schedule

*Schedule-7*

**Schedule of Reserve & Surplus annexed to and forming part of  
Balance Sheet as at 31st March 2018**

31st March, 2017			31st March, 2018	
Amount	Amount		Amount	Amount
		<b>Reserve &amp; Surplus</b>		
	1,46,08,618	Opening Balance	1,60,44,647	
	14,36,029	Add: Surplus during the year	28,87,291	1,89,31,939
	<b>1,60,44,647</b>	<b>TOTAL</b>		<b>1,89,31,939</b>

*Schedule-8*

**Schedule of Earmarked Funds annexed to and forming part of  
Balance Sheet as at 31st March 2018**

31st March, 2017			31st March, 2018	
Amount	Amount		Amount	Amount
	12,60,516	Building Fund		12,60,516
	2,00,189	Furniture Fund		2,00,189
	2,902	Prize Fund		2,902
	2,00,000	Contribution for Mrs Bala Gulshan Tandon Award		2,00,000
	15,01,861	Contribution for Fixed Assets		15,01,861
		<b>Endowment Fund</b>		
	82,818	Mrs. Bala Gulshan Tandon Award		38,650
	<b>32,48,287</b>	<b>TOTAL</b>		<b>32,04,119</b>

## Schedule

**Schedule-9****Schedule of Current Liabilities & Provisions annexed to and forming part of  
Balance Sheet as at 31st March 2018**

31st March, 2017		31st March, 2018	
Amount		Amount	Amount
52,870	IEI-Headquarter Payable		52,870
5,51,500	Library Deposits		5,04,000
	Duty & Taxes		
14,444	- Service Tax		
14,896	- TDS payable	18,928.00	
	- GST payable	2,56,878.00	2,75,806
3,137	Telephone Charges Payable		6,352
20,000	Audit Fee Payable		18,300
3,63,015	Service Charges Payable		1,94,360
1,47,700	Electricity Charges Payable		72,830
	Unfiltered Water Charges payable		13,533
4,15,887	MCD Taxes Payable		4,15,887
60,000	Security - Canteen		60,000
1,00,000	Special repair grant - Land & Building		1,00,000
	Professional charges payable		97,200
1,18,314	TA/DA Lecturers		81,488
57,140	Tuition fee		19,400
99,959	Water Charges		
46,574	Hall Booking Advance		
5,00,000	Safety Convention - 2017		
2,183	Salary payable		
	<b>Sundry creditors</b>		
1,396	Little More Ads		4,633
27,046	Mansee Printer		12,388
5,32,000	C K Associate - Canteen Account		2,72,600
13,867	C K Associate - Contractor A/c		9,900
	C K Associates - Hall Contribution A/c		29,680
3,069	Aditya Enterprises		5,845
	New Yadav Taxi		10,352
	Arjan Webcraft		8,300
	Frank Copier		17,700
46,512	Md Salim		10,000
13,060	R S Cooling		
	Vardhman Sales Corpn		
<b>32,04,569</b>	<b>TOTAL</b>		<b>22,93,424</b>

## Schedule Forming Part of the Financial Statement for the Year Ending 31<sup>st</sup> March, 2018

### Significant accounting policies and notes to the financial statements

#### 1. Significant accounting policies

##### (a) *Basis of operations*

The financial statements are prepared on accrual basis under the historical cost convention, in accordance with the generally accepted accounting principles applicable in India and the applicable accounting standards issued by the Institute of Chartered Accountants of India.

##### (b) *Revenue recognition*

- (i) Contribution received in the form of fixed assets are valued and credited to the funds as "Contribution for fixed assets" in the balance sheet.
- (ii) The expenses incurred for the examinations reimbursable from Headquarter are being accounted for on cash basis.
- (iii) Other incomes are recognized on accrual basis.

##### (c) *Fixed Assets*

Fixed assets are stated at historical cost. Fixed Assets register maintained by Delhi State Centre gives full details of assets purchased since 1<sup>st</sup> April, 1999. But, regarding the assets purchased before 1<sup>st</sup> April, 1999, it does not disclose the cost of individual assets.

##### (d) *Depreciation*

Depreciation has not been charged on the fixed assets as it is being considered separately at Head office level.

##### (e) *Allocation of Income & Expenditure*

The total income and expenditure is allocated between Research & Development and Education on the basis as advised by the Headquarters vide its letter Ref. FN/1201/2017-2018 dated April 21, 2018.

#### 2. Notes to accounts

- i) As per Library Notices No. IEI/DSC/HS/2017 dated July 07, 2017 & dated October 7, 2017 to the library members regarding the refund of Library Security for the period 01.04.2011 to 31.03.2012 and 01.04.2012 to 31.3.2013 and amount of Rs. 58,500/- and Rs. 68,000/- has been forfeited and treated as income respectively.
- ii) Amount payable to H.Q includes Rs. 52,870/- being wrongly credited in bank account of Delhi State Centre, related to FIB symposia organized by H.Q Kolkata.
- iii) Contribution for Mrs. Bala Gulshan Tandon Award of Rs. 2,00,000/- represent the amount contributed by Mr. G.L. Tandon in the memory of her belated wife. The contribution is under a specific direction that the amount of Rs. 2,00,000/- will be kept as fixed deposit with the bank and the interest accrued / received on the deposit would be utilized for giving awards to the students on annual basis.



## Schedule Forming Part of the Financial Statement

- iv) The **Canteen – Temporary Structure** shown in the Fixed assets (Sch.-1) represents the amount spent on construction on Canteen at the Delhi State Centre's premises. The contract for running for canteen is awarded to M/s C K Associates on monthly rental of Rs 20,000/- (plus applicable taxes). As agreed between Delhi State Centre (DSC) and M/s C K Associates, the total cost of construction of Canteen shall be recovered by M/s C K Associates against his liability for payment of monthly rent to Delhi State Centre.
- v) The liability of Service Charges Overtime payable to staff amounting to Rs 1,62,015/- shown under the head Current Liabilities is transferred to income as per the approval of 10<sup>th</sup> Committee Meeting held on February 16, 2018.
- vi) The following receivables appearing under the head Sundry Debtors, being old and irrecoverable were written-off as approved in the Special Committee Meeting held on November 4, 2017.
- |                            |                |
|----------------------------|----------------|
| - Safety Convention – 2014 | Rs. 2,00,000/- |
| - Safety Convention – 2015 | Rs. 1,00,000/- |
| - All India Seminar – 2015 | Rs. 2,00,000/- |
- vii) The following fixed assets were written-off as approved in the Special Committee Meeting held on November 4, 2017.
- |                       |              |
|-----------------------|--------------|
| - Carpet              | Rs. 67,833/- |
| - Computer & Printers | Rs. 43,000/- |
| - Emergency Light     | Rs. 4,026/-  |
| - Fax Machine         | Rs. 16,000/- |
| - Lockers             | Rs. 8,872/-  |
| - Almirah             | Rs. 14,936/- |
- Viii) Previous year figures are regrouped/ re-arranged wherever necessary.

For **Chhabra Prasad & Co.**  
Chartered Accountant

Sd/-  
**Praveen Kr. Singh**  
(Honorary Secretary)

Sd/-  
**Devendra Gill**  
(Chairman)

Sd/-  
**Sanjeev Chhabra**  
FCA, Prop.  
M. No. 096325

Place : New Delhi  
Dated : 23.06.2018

## Cash Flow Statement

Annexure - IV

## Cash Flow Statement for the Year Ended 31st March, 2018

Particulars		(Amount in Rupees)			
		2017-2018		2016-2017	
<b>A. Cash Flows from Operating Activities</b>					
Net surplus			28,87,291.46		14,36,028.70
<b>Adjustments for :</b>					
Depreciation and Amortisation-Assest writtenoff	1,51,646.73			-	
Interest on savings account	(1,86,662.66)			(1,13,727.00)	
Interest on Investments	(1,24,294.47)		-1,59,310.40	(1,34,656.00)	(2,48,383.00)
<b>Operating surplus before Working Capital Changes</b>			<b>27,27,981.06</b>		<b>11,87,645.70</b>
(Increase)/Decrease in Inventories				3,600.00	
(Increase)/Decrease in interest accrued on investments	1,79,147.90			(1,43,179.00)	
(Increase)/Decrease in Sundry Receivables	(9,51,041.50)			4,85,276.00	
Increase/(Decrease) in Current Liabilities & Other Provision	(9,11,146.74)			4,59,499.00	
Income from Earmarked Funds Investments (Net of Payments) received	(44,168.00)			9,038.00	
(Increase)/Decrease in Loans & Advances	-			-	
Donation from Building Fund			(17,27,208.34)	2,08,000.00	10,22,234.00
<b>Net Cash from/used in operating activities</b>			<b>(17,27,208.34)</b>		<b>11,87,645.70</b>
<b>B. Cash flows from Investing Activities</b>					
Acquisition of Fixed Assets including Capital Work in Progress (Net)	(2,11,302.00)			(8,77,037.50)	
(Acquisition)/Sale of Investments	(4,53,305.00)				
Interest on Investments	1,24,294.47			1,34,656.00	
Interest on savings account	1,86,662.66			1,13,727.00	
<b>Net Cash from Investing Activities</b>	-		<b>(3,53,649.87)</b>		<b>(6,28,654.50)</b>
<b>Net Increase/Decrease in Cash equivalents</b>	-		<b>6,47,122.85</b>		<b>15,81,225.20</b>
<b>Cash &amp; Cash equivalents at the beginning of year</b>	-		<b>42,45,248.45</b>		<b>26,64,023.25</b>
<b>Cash &amp; Cash equivalents at the end of year</b>	-		<b>48,92,371.30</b>		<b>42,45,248.45</b>

**Note :**

- The above Cash Flow Statement has been derived using the Indirect Method prescribed in AS-3 issued by ICAI.
- Schedules 1 to 10 form an Integral Part of the Cash Flow Statement

As per our report of even date attached

For **Chhabra Prasad & Co.**  
Chartered Accountants

Sd/-  
Place: New Delhi  
Date: 23.06.2018  
**Praveen Kr. Singh**  
(Honorary Secretary)

Sd/-  
**Devendra Gill**  
(Chairman)

Sd/-  
**Sanjeev Chhabra**  
FCA, Prop.

## Receipts and Payments Accounts

## Annexure - XI

**Receipts and Payments Accounts for the period from 01-4-2017 to 31-03-2018**

RECEIPTS	Cash	Bank	PAYMENTS	Cash	Bank
	Rs.	Rs.		Rs.	Rs.
<b>Opening Balances:</b>			Salaries and Allowances, etc. to Permanent staff		2,28,417.00
Cash in hand as on 01-04-2017	101.00		Salaries and Allowances, etc. to Temporary staff		25,52,081.00
Cash at Bank as at 01-04-2017		4245147.45	Direct Expenses on Education, Examination	2,15,925.00	13,78,658.04
<b>Grant received from Head Quarter:</b>			Technical Publication	19,833.00	2,60,639.00
For Annual Recurring Grant		19,93,534.00	Expenses for National Convention of Division	8,615.00	4,46,281.00
For Manpower Grant		6,18,449.00	Expenses for Seminars and Symposia	40,235.00	38,00,927.91
For Sr/Jr Most Salaries		1,02,039.00	Expenses on Technical Activities	38,063.00	6,51,568.00
For Examinations advances		19,97,345.00	Refresher Course Lecture		
For Technical activities		95,000.00	Expenses for Technicians' Chapter		9,352.00
For Council Meeting Grant		16,00,000.00	Expenses for Continuing education	15,000.00	5,77,594.00
For Engineering Congress Grant			Prize Awarded		
For Special Repairs Grant			Expenses for Lectures		10,813.00
For Land and Building Grant		2,80,000.00	Annual General Meeting Expenses	2,773.00	2,49,199.00
For Non conventional energy Grant			General Meeting Expenses	9,706.00	5,909.00
For Incentives		28,500.00	Indian Engineering Congress Expenses		
For Election Grant		1,58,358.00	Council Meeting Expenses	62,652.00	21,31,099.00
For Special Grant			Convocation Expenses		
For Convocation Grant			Data Processing Expenses		22,000.00
For Technician/students chapter		82,093.00	Printing and Stationery	243.00	1,60,199.96
For Technical publications		1,50,000.00	Postage and Telegram	615.00	54,975.00
For National convention		1,12,500.00	Telephone and Telex Expenses	900.00	42,867.00
For Jubilee celebration			Electricity Charges		23,65,985.00
For opening New centre			Advertisement Expenses		16,080.00
For Best Centre award			Election Expenses		
For procurement of hardware for election			Bank Charges		10,853.97
For reimbursement of TA/DA			Charges General	66,693.00	6,74,551.00
For Medical reimbursement		8,401.00	Insurance Charges		
For Leave encashment			Rent, Rates and Taxes		23,97,211.94
For Bonus/ Exgratia			Refreshment Expenses	49,513.00	3,07,972.00
For Others (if any)		2,61,402.00	Statutory Audit Fees		20,000.00

## Receipts and Payments Accounts

Advertisement	1,33,250.00	Other Auditors' Fees	15,000.00
Interest from Investments and Fixed Deposits		Internal Audit Fees	
Interest from Savings Bank Accounts	1,76,754.66	Legal Expenses	
Receipts for National Convention of Division	27,010.00	Repairs and Maintenance :	
Registration Fees received from Seminars	21,040.00	- Buildings	17,840.00
Sponsorship fees	14,43,238.00	- Others	32,842.00
Donations received		Books and Periodicals	21,414.00
Receipts for Continuing education	14,93,270.00	Travelling and Conveyance	24,771.00
Receipts for Technicians' Chapter		Travelling reimbursement to Council/Committee Members & Other Expenses for Meetings	3,600.00
Refresher Course Lecture		Purchase of Fixed assets	2,11,392.00
Receipts for Technical Activities		Investments made during the year (cost)	1,37,000.00
Grant for Prize and Journal		<b>OTHER</b>	
Hall/Space rent	44,545.00	- Safety & Quality Forum-IEI	1,279.00
Rent received from guest house accommodations	1,39,130.00		
Investment matured during the year (cost)		<b>Closing Balance:</b>	
Sale of Institution Ties and Badges		Cash in hand as on 31-03-2018	197.00
<b>OTHER</b>		Cash at Bank as at 31-03-2018	48,92,174.30
- Safety Quality Forum-IEI	300967		
- TDS on Salary	2,500.00		
<b>TOTAL</b>	<b>17,27,596.00</b>	<b>TOTAL</b>	<b>6,32,709.00</b>
	<b>2,50,66,501.21</b>		<b>2,61,61,388.21</b>

For **Chhabra Prasad & Co.**  
Chartered Accountant  
Firm Registration No. 016392N

Sd/-  
**Sanjeev Chhabra**  
FCA, Prop.  
M. No. 096325

Sd/-  
**Praveen Kr. Singh**  
(Honorary Secretary)

Sd/-  
**Devendra Gill**  
(Chairman)

Dated : 23.06.2018  
Place : New Delhi



## Committee Members

**Delhi State Centre Committee  
Session 2016-2018**

Chairman	: Shri Devendra Gill, FIE
Honorary Secretary	: Shri Praveen Kumar Singh, MIE
Immediate Past Chairman	: Prof J K Gehlawat, FIE
Immediate Past Honorary Secretary	: Er P C Mishra, FIE
Council Member at Delhi	: Shri Pradeep Chaturvedi, FIE
	: Shri Abhai Sinha, FIE

**Members**

Aerospace Engg. Division	: Shri Jai Kumar Jain, FIE
Agricultural Engg. Division	: Dr H G Kamble, FIE
Architectural Engg. Division	: Shri Pradeep Talwar, AMIE
Chemical Engg. Division	: Dr Sharad Kumar Sharma, FIE
Civil Engg. Division	: Shri Dinesh Kumar, FIE
	: Dr S M Goel, FIE
	: Shri Subhash Chander, MIE
Electrical Engg. Division	: Shri R N Rajpoot, FIE
	: Shri Sanjeev Kumar, FIE
Environment Engg. Division	: Dr S K Singh, FIE
E&T Engg. Division	: Shri V K Gupta, FIE
	: Shri Jitendra Kumar Sharma, MIE
Mechanical Engg Division	: Shri Prabhat Varshney, FIE
	: Shri Hari Rajani, FIE
	: Shri Rajendra Kumar Yadav, FIE
M&M. Engg Division	: Shri Aman Rajput, AMIE
Mining Engg. Division	: Shri A K Tooley, FIE
Production Engg. Division	: Dr Ramesh Chandra Singh, MIE
Textile Engg. Division	: Shri Shailesh Kaushik, FIE
Eminent Engg. Personality	: Brig. (Retd) S V S Chowdhry, FIE

## Committee Members

## Delhi State Centre Committee

### Session 2018-2020

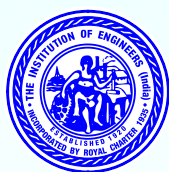
Chairman	: Shri Dinesh Kumar, FIE
Honorary Secretary	: Shri Jitendra Kumar Sharma, MIE
Immediate Past Chairman	: Shri Devendra Gill, FIE
Immediate Past Honorary Secretary	: Shri Praveen Kumar Singh, MIE
Council Member at Delhi	: Shri Pradeep Chaturvedi, FIE
	: Shri Abhai Sinha, FIE

#### Members

Aerospace Engg Division	: —
Agricultural Engg Division	: —
Architectural Engg Division	: Shri P K Adlakha, FIE
Chemical Engg Division	: Dr Sharad Kumar Sharma, FIE
Civil Engg Division	: Shri Dinesh Kumar, FIE
	: Dr S M Goel, FIE
	: Shri Manoj Kumar Vajpayee, FIE
Computer Engg Division	: Shri Pramod Kumar, AMIE
E&T Engg Division	: Shri Jitendra Kumar Sharma, MIE
	: Shri Rajesh, AMIE
Electrical Engg Division	: Shri Sanjeev Kumar, FIE
	: Shri Sat Pal Singh, FIE
Environmental Engg Division	: Dr S K Singh, FIE
M&M Engg Division	: Shri Aman Rajput, AMIE
Mechanical Engg Division	: Shri Rajendra Kumar Yadav, FIE
	: Shri Jiten Rajani, AMIE
	: Shri Ram Chandra Bind, AMIE
Mining Engg Division	: Shri Dharmendra Kumar Singh, AMIE
Marine Engg Division	: Shri Mahendru Pawan, MIE
Production Engg Division	: —
Textile Engg Division	: Shri Praveen Rajput, MIE







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