

# 91<sup>th</sup> Annual Report

## 2016-17



The Institution of Engineers (India)  
DELHI STATE CENTRE



Notice

## Notice Annual General (Business) Meeting

Ref. No.AGM/91/DSC/2016-2017

Date : October 20, 2017

To

All Corporate Members  
Delhi State Centre – IEI

The 91st Annual General (Business) Meeting of The Institution of Engineers (India), Delhi State Centre will be held on November 04, 2017 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 91st Annual General (Business) Meeting is:

- ITEM 0 : Welcome by the Chairman and Opening Remarks.
- ITEM 1 : To consider and confirm minutes of the 90th Annual General (Business) Meeting of the Centre held on November 25, 2016.
- 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 (Page No. 29 to 43).
- ITEM 3 : To appoint Auditor for the year 2017-18 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 91st Annual General (Business) Meeting of IE(I)-DSC on November 4, 2017 at 1630 hrs at “Engineers Bhawan” 2, Bahadurshah Zafar Marg, New Delhi-110002.

Programme

## Programme

### Annual General (Business) Meeting

November 04, 2017

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

### 90th Annual General (Business) Meeting

Minutes of the 90th Annual General (Business) Meeting held on November 25, 2016 at 1700 hrs at "Engineers Bhawan", 2, Bahadurshah Zafar Marg, New Delhi-110002.

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

Prof Jagdish Kr. Gehlawat, Chairman, IEI-DSC extended a warm welcome to the members present in the meeting and thanked them for their support, guidance and cooperation during the year. The Chairman briefed the member about the activities focused during last year. He mentioned that the Centre has been striding ahead in both technical activities and financial position.

#### ITEM 1 To consider and confirm minutes of the 89th Annual General (Business) Meeting of the Centre held on October 29, 2015.

- 1.1. There being no comments/suggestions received from the members, the minutes of 89th Annual General (Business) Meeting held on 29/10/2015 was confirmed as circulated.

#### ITEM 2 To consider and confirm the 90th Annual Report and to approve and adopt the Income and Expenditure Accounts and Balance Sheet of the Centre for the year ended March 31, 2016

- 2.1 The 90th Annual Report and Income and Expenditure Accounts and Balance Sheet of the Centre for year ended March 31, 2016 were presented to the members. The report was confirmed without any changes.
- 2.2 Few members suggested to wave-off the old receivable. After detailed deliberations, the house suggested that Incoming Chairman and Honorary Secretary would be requested to look into the matter and try to contact the organization for release of outstanding payments, after that balance outstanding amounts would be waved off in next AGM.

#### ITEM 3 To appoint Auditor for the year 2016-2017 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 year 2016-2017, with remuneration of Rs. 20,000/- plus applicable taxes.

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

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

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## From the Honorary Secretary's Desk

Dear Esteemed Members,

It gives me immense pleasure to present before you the 91st Annual Report of Delhi State Centre of The Institution of Engineers (India), along with the Auditor's Report and Audited Accounts for the Financial Year 2016-17.

The year Post November 2016 was an extremely busy period for the Delhi State Centre in relation to conferences, events and activities. I have pleasure in informing that Centre has witnessed quantum jump in terms of activities organized during this period along with wider participations of Corporate Members.

In an endeavour to have better interaction with the members, Centre has taken various initiatives, during this year, to come closer to members by approaching them through other mode of communications, like SMS & Email. Greater participation of corporate members in various activities have vindicated that we have been quite successful. The activities undertaken by Delhi State Centre in this year have been elaborated in subsequent pages.

Auditor's Report and Audited Accounts for the Financial Year 2016-17 elaborated in subsequent pages resemble comparatively better handling of Finances, with more focus on ensuring positive bottom line.

During the year, we got consistent support from Safety and Quality Forum of the Institution of Engineers (India) for organizing various activities, mainly skill development events. I wish to place on record my gratitude and sincere thanks to Safety and Quality Forum for the same.

I extend my heartiest thanks to Committee Members of the Centre for their unwavering support & cooperation in making Delhi State Centre as one of Outstanding Centre of IEL.

I also wish to place on record commendable work done by the entire staff of Delhi State Centre. Each & every one of them deserves special appreciation for their whole-hearted commitment, dedication and support, which gave me confidence in discharging my duties efficiently & effectively.

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

## Membership

The Membership strength of the Delhi State Centre (as per the records maintained by the Headquarter) as on March 31, 2017 is as follows:

|                      |   |       |
|----------------------|---|-------|
| a) Corporate Members | : | 8867  |
| b) ST/T Members      | : | 26379 |

## Examinations

The Centre successfully conducted AMIE Section A & B Examination during Summer 2016 at Kerala Education Society & HMDAV Senior Secondary School, New Delhi and Winter 2016 at Institution's premises. Centre also conducted RITES Departmental Promotion Examination during March 15-17, 2017 at Institution's premises.

91<sup>st</sup> Annual Report**Committee Meetings**

Ten Meetings of the Centre's Committee were held during the year on the following dates :

| Sl. No. | Meeting Date | Sl. No. | Meeting Date | Sl. No. | Meeting Date |
|---------|--------------|---------|--------------|---------|--------------|
| 1.      | 29/04/2016   | 2.      | 22/06/2016   | 3.      | 19/08/2016   |
| 4.      | 19/09/2016   | 5.      | 23/10/2016   | 6.      | 10/11/2016   |
| 7.      | 25/11/2016   | 8.      | 12/12/2016   | 9.      | 31/01/2017   |
| 10.     | 16/03/2017   |         |              |         |              |

**Guidance Classes**

The Guidance Classes for Section A & B of AMIE Examination are being run at the Institution's premises. The total enrolment for Summer 2016 & Winter 2016 sessions were 118 & 127 respectively.

**Book Donors**

1. Shri B R Joshi      2. Shri Sagar Ansal      3. Monika Pandit      4. Shri Vikas Sabata

**ACTIVITIES****32nd Maj. Gen. Harkirat Singh Memorial Lecture**

*Topic: "Planning and Design of Public Buildings to Combat Terrorism"*

*April 7, 2016 • New Delhi*

Delhi State Centre of The Institution of Engineers (India) organized 32nd Maj. Gen. Harkirat Singh Memorial Lecture on April 7, 2016 at its Premises. The Programme started by paying homage to Past President, Late Maj. Gen Harkirat Singh. The occasion was blessed by the presence of Chief Guest Shri A K Arora, FIE, Former Director General (P), Military Engineering Services. Family Members of Gen Harkirat Singh also attended the function.

In his welcome address Prof J K Gehlawat, Chairman, IEI-DSC highlighted the work done by Maj. Gen. Harkirat Singh during his tenure as President of IEI for 1960-1962. He apprised that Gen Harkirat Singh recommended to the Governing Council of IEI that the new pay scale of the institution's employees should be at par with Central Government employees. For this, Employees of The Institution of Engineers (India) would ever remain grateful to General Harkirat Singh.

Shri Pradeep Chaturvedi, Council Member, IEI-DSC also graced the occasion and apprised the gathering about the remarkable professional contributions of Maj Gen Harkirat Singh for The Institution of Engineers (India).

Chief Guest of the function, Shri A.K. Arora delivered the memorial lecture on the topic "Planning and Design of Public Buildings to Combat Terrorism". Although combating terrorism is complex matter, his lecture was very informative and highly motivating.

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Er P C Mishra, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the programme and proposed the vote of thanks.

Nearly 90 members of The Institution of Engineers (India) and other invitees from different fields of engineering attended the programme.

### **World Telecommunication and Information Society Day -2016**

*Theme: "ICT Entrepreneurship for Social Impact"*

*May 16, 2016*

Delhi State Centre of The Institution of Engineers (India) jointly with The Institution of Engineering & Technology, Delhi Local Network celebrated World Telecommunication and Information Society Day-2016 on 16th May 2016. The theme for the Day was "ICT Entrepreneurship for Social Impact".

Shri V K Gupta, Chairman, IET-DLN welcomed the guests and introduced the theme. Prof J K Gehlawat, Chairman, Delhi State Centre-IEI in his address stated that ICT sector is amongst the most profitable and successful sector and has revolutionized the way the world communicates. Through a combination of forward looking government policies and regulatory reforms, international standards, industry innovation and investment in infrastructure, and new services, billions of people have been brought into the information society in a remarkably short period of time.

Dr Rishi Bhatnagar, Chairman, IOT Panel/IET also graced the occasion and addressed the gathering. Shri Vipin Tyagi, Executive Director, C-DOT delivered Key-note Address during the function.

Shri P K Garg, Ex Chairman, RRB/ITU was the Chief Guest on the occasion. He stated that ICT entrepreneurs and start-ups as well as small to medium-sized enterprises have a particularly relevant role in ensuring economic growth in a sustainable and inclusive manner. They are involved in the development of innovative ICT-enabled solutions with a unique potential to make a long-lasting impact in global, regional and national economies. In fact, they are the important source of new jobs, especially for youth, in the current economy of knowledge and innovation.

This function was attended by a large number of Eminent Engineers Corporate Members of IEI and IET. At the end of the function Shri Ashish Srivastava, Honorary Secretary, IET-DLN presented the Vote of Thanks.

### **World Environment Day 2016**

*Theme: "Illegal Trade in Wildlife"*

*June 5, 2016*

Delhi State Centre of The Institution of Engineers (India) organized World Environment Day 2016 on the theme "Illegal Trade in Wildlife" on June 5, 2016 at Institution's premises. Dr Anil Kumar, Director (Environment), Delhi Pollution Control Committee was the Chief Guest.

Welcoming the Chief Guest and audience, Prof J K Gehlawat, Chairman, IEI-DSC apprised the gathering about the theme of the World Environment Day - 2016. He said that the theme for this year is prevention of illegal trade in Wildlife. He informed that due to selfish motives, Illegal Trade in wild life all over the world endangers iconic elephants, rhinos, tigers, gorillas and sea turtles. Lesser known examples include



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helmeted hornbills, pangolins and wild orchids. Efforts to protect the wild life have achieved some success. However, these and many other species remain at great risk despite concerted international campaigns and considerable investments in conservation and law enforcement. To control this illegal trade practice, more people need to understand the damage being done by this illicit business to our environment, economies, communities and security. The society also needs to change habits and behaviour so that the demand for wildlife products decreases.

Council Member, IEI-DSC Shri Pradeep Chaturvedi also graced the occasion. In his address, he emphasized that over the years illegal wildlife trade has emerged as a form of Organized Transnational Crime that has threatened the existence of many wild species across the globe. In India, it includes diverse products including mongoose hair; snake skins; Rhino horn; Tiger and Leopard claws, bones, skins, whiskers; Elephant tusks; deer antlers; shahtoosh shawl; turtle shells; musk pods; bear bile; medicinal plants; timber and caged birds such as parakeets, mynas, munias etc. A large part of this trade is meant for the international market and has little demand in India.

Delivering the talk, Chief Guest Dr Anil Kumar stated that in India like many other countries, the problem is not of the laws but that these may be poorly communicated and just as poorly implemented and enforced. Often, positive efforts to address wildlife trade concerns are undermined by lack of political will and governance failures. Without political backing, disincentives for over-exploitation and illegal trade, such as penalties for legal infringements, are all too often weak.

Dr Anil Kumar stressed that there is an urgent need for knowledge and action to stop all illegal wildlife trade that has threatened and even pushed many species towards extinction. He informed that to control this illegal trade practice a wildlife trade monitoring network and a joint programme of WWF, the global conservation organization and IUCN, the International Union for Conservation of Nature, established in 1976 are working closely with the National and the State Governments.

During this programme, Shri Neeraj Tyagi, Senior Engineer, Pragati Power Corporation also presented his poem in Hindi which emphasized the need to control such illegal trade practices.

Er P C Mishra, Honorary Secretary, IEI-DSC proposed vote of thanks. Nearly 60 members, guests and invitees attended the function.

### **23rd Dr S P Luthra Memorial Lecture**

*July 27, 2016*

23rd Dr S P Luthra Memorial Lecture' was organized at Delhi State Centre of IEI on 27th July 2016. Prof V Ramgopal Rao, Director, Indian Institute of Technology, Delhi was the Chief Guest. Shri Pradeep Chaturvedi, Council Member, IEI also graced the occasion.

Welcoming the guests and audience, Prof J K Gehlawat, Chairman, The Institution of Engineers (India), Delhi State Centre informed that Dr S P Luthra was educationist par excellence. He held senior positions in IIT Delhi including its Director. Dr Luthra served at Delhi State Centre as Honorary Secretary as well as Chairman. He gave new direction to the activities of the Centre and brought element of engineering education in focus. Anyone who has been associated with the Delhi State Centre as well as with Dr. S P Luthra will remember his remarkable contributions for building up the image of this Centre. Prof

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Gehlawat also gave a brief introduction of Prof V Ramgopal Rao, Chief Guest of the function to the audience. Shri Pradeep Chaturvedi, Council Member, IEI also speak on this occasion.

Chief Guest of the function Prof V Ramgopal Rao, Director, Indian Institute of Technology, Delhi presented his talk on "Bridging Academic R&D with Product Innovation - a few case studies and way forward". He apprised the gathering that India's contribution to the world's R&D and Intellectual Property is steadily increasing. In certain specialized areas such as Nanotechnology, India is among the top 3 countries in the world in terms of research publications and patent filings. Despite the low percentage of GDP spending for R&D in India, Indian researchers have excelled in research output, when measured in terms of the number of research publications. Though these are excellent achievements, the situation is entirely different when one looks at the innovation or the product development potential in the country. For example, India ranks 81 out of 141 countries on the Global Innovation Index (GII), and the research undertaken by institutions, whether public or private, has hardly resulted in any major technological breakthrough of significant commercial value.

He informed that in order to make the Indian research competitive and sustainable in terms of innovation and product development, a multitude of initiatives have recently been contemplated and launched at the national level. In his talk, he discussed the changing scenario for product innovation in Indian academic institutions, and how one can accelerate the culture of product innovation in Indian academic institutions.

At the conclusion of very inspiring presentation by Prof V Ramgopal Rao. Er P C Mishra, Honorary Secretary proposed a vote of thanks.

### 49th Engineers' Day

*Theme: "Skill Development for Young Engineers to Reform the Care Sector: Vision 2025"*

*September 15, 2016*

The 49th Engineers' Day was jointly celebrated by Delhi State Centre of IEI and IET Delhi Local Network on September 15, 2016 on the theme: "Skill Development for Young Engineers to Reform the Care Sector : Vision 2025". Shri S S Khurana, Former Chairman, Railway Board & Ex Officio Secretary to the Government of India, was the Chief Guest on this occasion. To start the function, rich tributes were paid to Bharat Ratna – Dr Sir M Visvesvaraya by offering flowers by the Chief Guest and other dignitaries.

Welcoming the Guests and Invitees, Prof J K Gehlawat, 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. He stated that it was on this day 154 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 honour, the Bharat Ratna, in the year 1955. The Govt of India advised IEI to celebrate his birthday every year on 15th September as the Engineers' Day.

Mr Pradeep Chaturvedi, Council Member, emphasized that there is immense pressure in restructuring global economy by means of global flow of goods, services and knowhow, when some industries decline as well as new avenue of opportunities is created. This occurrence in turn creates the demand for re-skilling of those redundant workforce as well as skill-upgradation training and development to promote new skills for those newly employed in industries. The Governments across the states have taken some

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initiatives to address the challenge of scaling up desperate skill development initiatives of different departments.

Shri R N Rajpoot, Chairman, IET Delhi Local Network also welcome the Guests, Delegates and Eminent Engineers Awardees.

Shri S S Khurana, Chief Guest of the function in his address talked about five sectors, which are identified to create majority of employment opportunities in infrastructure, auto, building and construction, textiles and transportation sectors. He said, like other employment sectors, shortage of properly trained persons is one of the major constraints for the pass out engineering cadre for continuing growth of Indian economy. Different employer surveys have addressed this knowledge gap. They emphasize analysis and development of the classified skills for improved productivity.

On this occasion, Eminent Engineer Awards were presented to Shri Vijay Anand, Director Project, RVNL; Shri Hersh Kumar, President, Shakuntala Singh Education Trust; Shri Surendra Pratap, Director (R&D), PCRA; Dr Srikanta K Panigrahi, Former Member (Working Group), Planning Commission.

Er P C Mishra, Honorary Secretary, IEI-DSC presented the vote of thanks and requested all the participants to take active part in the engineering pursuits for socio-economic development.

More than 170 members of The Institution of Engineers (India) and other invitees from different fields of engineering attended the celebration.

## **International Safety Convention 2016**

*Theme: Cyber and Infrastructure Security*

*November 9-11, 2016 • New Delhi*

The International Safety Convention on the theme – "Cyber and Infrastructure Security" held in New Delhi during 9-11 November, 2016 witnessed some of very insightful discussions and knowledge sharing on this very important and relevant topic in present context. As one of the speakers mentioned, the importance of cyber security can be gauged by the fact that it could turn the scales for election to the President of the United States of America.

The Convention was organized by The Institution of Engineers (India), Delhi State Centre under the Aegis of Safety and Quality Forum.

### **Day-I: November 9, 2016**

#### *Inaugural Session*

The Convention started with the Welcome address by Prof. J.K. Gehlawat, Chairman, IEI-DSC who set the ball rolling with due emphasis on the relevance and importance of the theme and IEI commitment to it.

Gen. J.S. Ahluwalia, Chairman of Safety and Quality Forum of The Institution of Engineers, dealt in greater detail on the subject "Corporate Cyber Security", saying that extent and severity of the cyber risks, can be realized from the fact that now a days this issue is dealt with at Board level of most companies. He also mentioned about the recent cyber attack on 5 Banks in India compromising data of nearly 3.2 million cards; and earlier this year when 81 million US Dollars were hacked from Bangladesh National Bank. These

examples are indicative of the extent of damage that can happen through cyber security breach. These incidents are eye openers, necessitating urgent action on all fronts to counter cyber threats.

Shri Pradeep Chaturvedi, Convention Chairman also brought to the fore these issues and genesis behind the selection of theme of the convention. Major concern being rapid economic development and terrorism which can have serious impact with cyber threats. Shri Chaturvedi, an energy expert of more than four decades, has also closely worked with the World Energy Council for more than 3 decades and had earlier chaired a study on "Energy Dimension of Disaster Management" which was circulated to 87 member committees of WEC. He said that engineering fraternity had to play an important role in developing mechanism for safeguarding the infrastructure and ensuring its stable and reliable operation.

The Guest of Honour Shri H.C.S. Berry, President, The Institution of Engineers (India), welcomed this initiative by Delhi State Centre, and the good work being done by IEI across India to create awareness and knowledge networking on concurrent issues of national and global relevance and importance. Increase in use of IT technology and E-commerce have also heightened the risks involved in it, needing greater measures to safeguard the interests of individuals, organizations and the Nation.

The Chief Guest, Shri Hem Pande, IAS, Secretary, Ministry of Consumer Affairs, while addressing the Convention, stated that technologies from across the world are being adopted in IT arena, there is a need to adopt them to local conditions suited to our country. He cited the case of PV solar panels, which witnessed sharp deterioration in performance soon after installation due to high dust in environment, needing frequent cleaning and consequent cost implication. Also these technologies should be affordable. He also mentioned about the role of IT in reducing wastage in consumer industry from Farm to the Table as well as connecting remote areas which even don't have road connection. In the field of telecommunication we have leapfrogged from nearly 2% people having access in 1998 to telecommunication to now nearly 100% population using wireless communication through mobile phones, and nearly 1/3 population having access to internet. However, this has also increased the risks associated with cyber crimes and safety of data and information.

Shri Shekhar Dutt, former Governor of Chattisgarh, presiding over the inaugural function, mentioned that while we are growing at a rapid pace, we should also look at indigenization of technology. When we import the technology and hardware, we are exposed to the risks of suppliers of hardware planting a bug in the micro chip, which can put the entire system to risk, compromising vital information and data. This is a serious threat by which wars can be won without firing a single bullet.

The Chief Guest also conferred the Eminent Engineers Award to Shri A.K. Kapoor, Member (Traction) Railway Board and felicitated Shri Anil Jauhri, CEO NABC, Lt. Gen Ashok Agarwal PVSM, and Maj. Gen. S. Bhattacharya VSM, Secretary and Director General, IEI.

Safety Innovation Awards were then presented by The Chief Guest to 22 organisations.

### *Theme Session – Cyber Security*

The Session Chaired by Shri O.P. Goel, Past President, IEI; and Lt. Gen. J.S. Ahluwalia, Chairman, SQF and was coordinated by Shri Pradip Talwar.

The Theme Session in forenoon witnessed a presentation by Gen. J.J. Singh former Chief of Army Staff and former Governor, Arunachal Pradesh. In his speech he quoted the Chanakya Neeti in meeting Cyber

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threats on the mantra of "expect the unexpected" and take the opponent by surprise, and shared his experience of India-China war and Kargil war. He said that earlier while we used to say that the borders of India were protected by the lofty Himalayas on north and deep sea on south, but today in the cyber world we cannot say so, since geographic boundaries have no meaning for cyber threats. He said that there has been 350 % increase in cyber crime cases between 2011 and 2014.

Lt. Gen. Rajesh Pant made a very comprehensive presentation on cyber security and said that there is need for a holistic approach in dealing with cyber security, taking into account the aspects of People, Process and Technology. He recommended a triple Quality grading system to evaluate the cyber systems by providing an alphabetic code for each element of People, Process and Technology effectiveness of system.

***Technical Session-I: Safety in Railways, Metro and High Speed Trains***

The Session was chaired by Shri A.K. Gupta, Director (Elect.), DMRC and coordinated by Shri Praveen Kumar Singh.

Ms Ivona Ljungdeu, Siemens LLC spoke on Built-in Safety Features in Train Equipment and Shri R.K. Jain, Executive Director (Electrical), DFCCI spoke on Concerns of DFCCI. Speaking on behalf of Shri M.P. Singh, CEO, HRC, Shri D. Mehrotra, Dy. CTO/Civil, HSRC dealt with the High Speed Trains and Safety Issues; and Shri Rajesh Agarwal, Senior Deputy General Manager, DMRC spoke on Fire and Emergency Preparedness in DMRC.

***Technical Session-II: Safety in Public Life and Internet of Things***

Shri Anil Jauhri, CEO, NABCB Chaired the session on Safety in Public life and Internet of Things coordinated by Shri Subhash Chander. The session was address by Shri Ajay Khatri from IGL, Ms Tarini Baswal from CRIS, Dr. Adarsh Kumar from IARI and Dr O.P. Mehta, Director (Budget/NB) MSME. The speakers shared their experience and observations, in gas sector, agriculture and cyber risk from within organization and external sources.

***Young Professional's Safety Competition***

Young Professionals Safety Competition was conducted wherein 52 nominations were received from 17 colleges from across India and finalists shortlisted for presentation were Ms Sakshi, Abhishek, Praveen, Shubham Khatri, Ms Meenakshi, and Gagan Batra.

The Judges for the Safety Competition were Shri Dinesh Kumar, former Engineer-in-Chief, PWD Delhi and Shri K.B. Rajoria, former Chairman, SQF-IEI. Shri Aman Rajpoot coordinated this first time effort.

**Day-II: November 10, 2016*****Technical Session-III: Safety in Energy Sector***

The Session on Safety in Energy Sector was chaired by Shri Madan Lal, Past President, IEI and coordinated by Shri Subhash Chander. Shri R.C. Sharma, former Director, Delhi Fire Service spoke of fire Risks in Power Plants and other Installations and optimal way to handle them. Shri Saurabh Srivastav from GMR spoke of their vision for Zero accident and emergency preparations for EHS management. Shri Ashim Prasad of GAIL and Shri U.K. Shakyawar from IOCL Mathura Refinery presented case studies on safety concerns and policy of their respective organizations.

#### ***Technical Session-IV: Safety in Industrial and Environment Sectors***

The Session on Industrial and Environmental Safety was chaired by Shri P.R. Kumar, CEO BYPL and coordinated by Shri V.K. Gupta, Past Hony. Secretary, IEI-DSC. Prof. J.K. Gehlawat, Chairman IEI- DSC, spoke on Safety which is Critical in Chemical Process Industries; Shri H.R.P. Yadav, Director, IEI-HQ Cell, talked of Emissions of Carbonyl Compounds from Vehicular Fuels, a Global challenge to Environmental Safety; Shri N.P. Rao DGM (F&S), IFFCO Aonla, discussed Safety in IFFCO Plants and Shri T. Bhaskaran, from BHEL, highlighted Safety in BHEL, Trichy Plant; Shri Surjit Kumar Singh, Sr. Manager(Safety), J.K. Lakshmi Cement, detailed the Safety in J.K. Lakshmi Cement Plant.

#### ***Technical Session-V: Safety in Construction Sector***

The Session was chaired by Sri K.B. Rajoria, Past Chairman, IEI-DSC and coordinated by Shri J.K. Mehta. It was addressed by Shri Deepak Narayan former DG, CPWD who informed about the common safety pitfalls in construction industry; Shri Jigesh Bhavsar, GM, ICT, who discussed the initiatives taken by ICT in improving Network Level Road Safety. Thereafter, Shri Dwipan Boruah, CEO, Global Sustainable Energy Solutions, India made a presentation on Safety Risk in Roof-Top PV solar and other solar installations. His presentation was an eye opener in so far as common ignorance of hazard and casual installation practice can lead to serious accidents. Shri Jaspreet Singh Gill and Shri Anand from DMRC Projects CC 28, L&T shared the philosophy of L&T LIFE (Live Injury Free Each day). L & T has specified 20 points formula for safe working which is very useful for all construction companies. Shri Rakesh Sabharwal, Retired Engineer, DDA brought to fore the issues of human rights in providing Cyber Security. Shri K.B Rajoria wound up the session by flagging key issues highlighted by each of the speakers and issues of concern which should be taken note of for safety in construction sector.

#### ***Valedictory Address***

The concluding Valedictory Session and Panel Discussion was chaired by Shri O.P. Goel, Past President, IEI, with a panel of Prof. J.K. Gehlawat, Shri K.B. Rajoria, Shri P. Chaturvedi, Shri. R.N. Rajpoot, Shri Deepak Narayan, Shri J.K. Mehta and Shri P.C. Mishra. The session was coordinated by Shri R.N. Rajpoot, Past Chairman IEI, DSC. Prof. J.K. Gehlawat, Chairman, IEI, DSC delivered the welcome address, and Shri J.K. Mehta presented a comprehensive Report of the Convention. The panelists presented their views on the deliberations during the convention, and agreed to a proposal of the SQF Board to henceforth add Quality aspects in Safety Convention from next year.

Shri Aman Rajpoot presented a brief report on the "Young Professionals Safety Competition" organized for the first time this year, and Awards presented to Winner (Women) Ms. Sakshi & Abhishek, (Men) Praveen and Shubham Khatri and Runner Up (Women) Ms. Meenakshi ( Men) Gagan Batra and Shubham. The innovative concepts on safety presented by young professionals was very much appreciated by the panelists and audience.

The panel strongly recommended that the initiative of setting up Safety Institute under SQF should be pursued vigorously. Till such time the Institute creates its own infrastructure, training courses must be carried with the help of professionals from IEI.

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The Convention curtain were drawn to a close with the vote of thanks presented by the Organizing Secretary, Safety Convention Shri P.C. Mishra.

### **Day-III : November 11, 2016**

#### *Technical Visit*

A Technical Visit was organized to Pragati Power Station, Indraprastha Estate, New Delhi.

### **90th Annual General (Business) Meeting & Annual Day Function**

*November 25, 2016*

90th Annual day function of Delhi State Centre of The Institution of Engineers (India) was organised on November 25, 2016 at 1800 hrs at Institution's premises, after 90th Annual General Business Meeting. Shri O P Goel, Past President, The Institution of Engineers (India) was the Chief Guest of the function. Shri Pradeep Chaturvedi, Council Member and former Chairman, Delhi State Centre-IEI and SQF also presided over the function.

Outgoing Chairman, Prof J K Gehlawat in his welcome address briefed the audience about the major milestones achieved by Delhi State Centre during the Session (2014-16).

Shri P C Mishra, Outgoing Honorary Secretary, presented brief report on the performance of the Centre during last year i.e. 2015-2016.

Incoming Chairman, Shri Devendra Gill in his address assured to carry forward the aims and objective of the Centre in a most effective and efficient manner. He also assured to put all efforts to complete the remaining works initiated by previous team. Special focus on organising technical events of current interest was assured. He sought guidance, feedback and support from all senior members and Corporate Members attached with Delhi State Centre.

The Chief Guest, Shri O P Goel, Past President, The Institution of Engineers (India) in his address, appreciated the good work done by the past committee and congratulated Shri Devendra Gill and Shri Praveen Kumar Singh for occupying the prestigious position of new Chairman and Honorary Secretary respectively.

Shri Goel in his address expressed dissatisfaction over the deteriorating standard of Technical Education in India and stressed that now The Institution of Engineers (India) will have to take leading role in regaining prestige in this regard. Shri O P Goel mentioned that organising multi-dimensional activities on a larger scale will assist in developing best technical professionals. Shri O P Goel expressed his confidence towards the new team and wished them all success in their endeavour to make DSC more visible in the term of technical activities and stronger on finance front.

Incoming Honorary Secretary, Shri Praveen Kumar Singh proposed the vote of thanks.

Nearly 150 members, guests, Past Chairmen & Honorary Secretaries of Delhi State Centre and Council Member including invitees attended the function.

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## **Energy Conservation Day 2016**

*Theme: Renewable Energy use as Measure of Energy Conservation*

*December 22, 2016 • New Delhi*

The Institution of Engineers (India), Delhi State Centre organized Energy Conservation Day 2016 on December 22, 2016 at Institution's premises. On the occasion Chief Guest of the Function, Dr Bibek Bandyopadhyay, Former Adviser, Ministry of New and Renewable Energy and Former Director, Solar Energy Centre, Government of India delivered the theme address on the topic "Renewable Energy use as Measure of Energy Conservation".

Welcoming the audience, Mr Devendra Gill, Chairman, The Institution of Engineers (India), Delhi State Centre highlighted on the rising concerns of environmental degradation due to global warming on account of excess usage of Energy reserves at one hand and scarcity of energy due to fast depletion of reserves of all conventional forms of energy on the other hand. He stressed on developing concerted effort for building up awareness among common masses on Need for Energy Conservation, Energy Efficiency & Frugality in Energy Use in order to have sustainable development.

Mr Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) & Past Chairman, Delhi State Centre in his address briefed the audience about the various policy changes of Government of India that have taken place since 2000 to curb wastages & uncontrolled usage of Energy in all forms. He mentioned that enactment of Energy Conservation Act 2001 & Electricity Act 2003 brought major change in usage of energy. Bureau of Energy Efficiency & PCRA have taken various measures to ensure energy conservation in household and Industrial sectors.

Delivering the theme address, Chief Guest Dr Bibek Bandyopadhyay spoke on the various issues pertaining to Energy Security in India. He mentioned that vital factor hampering the efficient energy use in power sector is due to under-developed infrastructure & huge imbalance between generation & consumption. Some developed states of the country are equipped with excess power while others are struggling with scarcity of power. Apprising about the latest trends in Renewable Energy technology in the country, Dr Bandyopadhyay mentioned that now solar energy is being used extensively for drying, chilling, heating etc apart from lighting. Dr Bandyopadhyay's address also covered latest trends in renewable energy like Solar assisted building design, water heating and steam generation system. Concluding his address, Dr Bandyopadhyay apprised about the latest concept of "Jevon Paradox" with reference to access usage of energy efficient equipments in the Country.

Mr Praveen Kumar Singh, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre delivered vote of thanks.

Nearly 60 members, guests & invites attended the programme.

## **4th R K Vir Memorial Lecture**

*Theme: Gas Insulated Switchgear*

*January 4, 2017 • New Delhi*

Delhi State Centre of The Institution of Engineers (India), Institution of Railway Electrical Engineers, Delhi Local Network of The Institution of Engineering and Technology (UK) and Institution of Electrical and



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Electronics Engineers jointly organized 4th R K Vir Memorial Lecture on January 4, 2017 at National Rail Museum, New Delhi. On this occasion Mr Ashwani Kumar Kapoor, Member Traction, Railway Board was Chief Guest of the Function. Mr Guenther Hans Besser, Factory Head, Siemens Ltd. delivered the Memorial Lecture on the topic "Gas Insulated Switchgear".

Delivering the Welcome address Mr Dayal Dogra, General Secy, IREE mentioned that R K Vir Memorial Lecture is being organized to pay homage to late Shri R K Vir who was recipient of many prestigious awards and was author of a many technical documents including a book titled "STORY OF CLW".

Shri Devendra Gill, Chairman, Delhi State Centre-IEI in his address highlighted the status of esteemed IEI having a large membership base spread over India as well as five overseas branches. He congratulated IREE, IET(UK)/DLN and IEEE for their collaboration with Delhi State Centre of IEI in organising this Technical lecture and assured his full support for future such collaborative programmes. Later Chief Guest of the function, Mr Ashwani Kumar Kapoor, Member Traction/Railway Board spoke on the latest trend in Switchgear technology. Mr Guenther Hans Besser from M/s Siemens delivered the Memorial lecture highlighting the concept and advantages of Gas Insulated Switchgear. He also briefed the development initiative undertaken by M/s Siemens in this technology and the contribution it has on the expansion of Railways and Metro Network in India.

Mr V K Dutt, Former Add, Member/Railway Board delivered vote of thanks. Nearly 100 members, guests & invitees attended the programme.

**Technical Talk**

*Theme: Quality and reliability of Contact Lines*

*January 11, 2017, New Delhi*

Delhi State Centre of The Institution of Engineers (India), Institute of Railway Electrical Engineers, Delhi Local Network of The Institution of Engineering & Technology (UK) jointly organized a technical lecture on "Quality and reliability of Contact Lines" on January 11, 2017 at India International Centre, New Delhi.

On this occasion, Shri V K Agrawal, Additional Member, Electrical/Railway Board was the chief guest of the function. Dr Eng Axel Schmieder, Head, Siemens expert for contact lines delivered the invited talk on the topic of "Quality and reliability of Contact Lines".

Shri Devendra Gill, Chairman, Delhi State Centre-IEI in his address highlighted the status and esteem of The Institution of Engineers (India) having large membership base spread all over the country as well as five overseas branches. He congratulated IREE & IET (UK) DLN for their collaboration with Delhi State Centre of IEI in organizing this Technical lecture and assured his full support for future such collaborative programmes. He also mentioned the contribution of M/s Siemens in development of metro network in the region throughout India as well as abroad. He appreciated the role played by the invited speaker Dr Eng Axel Schmieder in making their efforts successful. He wished that every engineer in the audience shall get benefit in his talk.

Dr Schmieder in his talk highlighted the various technologies being used in the contact lines and the initiatives taken by M/s Siemens for enhancing the quality and reliability of this crucial aspect of Railway networking.

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Shri Ashish Shrivastava, Secretary, IET/DLN delivered vote of thanks. Nearly 80 members, guests & invitees attended the programme.

### **Technical Lecture**

*Theme: Chemical Disaster: Lessons Learnt*

*January 14, 2017 • New Delhi*

Delhi State Centre and Safety & Quality Forum of The Institution of Engineers (India) jointly organized a Technical Programme on the topic “Chemical Disaster: Lessons Learnt” on January 14, 2017 at Institution's Premises. The activity comprised of Technical Talk, Movie Screening and Certificate Presentation. Lt Gen (Retd) JS Ahluwalia, Chairman, Safety & Quality Forum-IEI was Chief Guest on this occasion.

Welcoming the audience, Shri Devendra Gill, Chairman, Delhi State Centre apprised about the purpose of the programme mentioning that main objective is to discuss the lessons which were learnt after the biggest Chemical Disaster, which happened in India in 1984 and the resolve nation took to prevent such disaster in future and also prepare itself to handle emergencies of such large scale. He informed the audience that a series of such programme will be organised on monthly basis, wherein important areas of Safety, Environment & Quality practices will be discussed. Chairman urged the members to give their suggestions for the topic of the programme they wish to attend in future.

Screening of Movie of “Bhopal Disaster: A Prayer for Rain” was made during the programme. Movie highlighted the Key-reasons and step by step lapses that caused release of poisonous MIC Gas on December 2, 1984 at Bhopal which ultimately led to one of the biggest Chemical disaster recorded in the World History.

Lt Gen (Retd) JS Ahluwalia, Chairman, Safety & Quality Forum-IEI congratulated the New Chairman and Honorary Secretary, Delhi State Centre-IEI for the initiatives taken to organize such important event. Gen Ahluwalia hoped that the team will take this mission forward and spread awareness about the safety in important areas. Gen Ahluwalia in his address stressed on developing a culture of safety in order to have sustainable result

On this occasion, Shri J K Mehta, Regional Manager, South Asia, World Energy Council and Shri Umesh Purbey Addl. VP & Head- HSE & Fire, BSES, Yamuna Power Ltd, were handed over the certificate of Quality & Safety Award 2016 conferred on them by The Institution of Engineers (India) during 31st Indian Engineering Congress held in Kolkata.

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

It was a very informative technical programme and was appreciated by all the Participants. Nearly 125 Corporate members, Students, guests and invitees attended the function.

### **Technical Lecture during Road Safety Week 2017**

*January 16, 2017 • New Delhi*

Delhi State Centre and Safety & Quality Forum of The Institution of Engineers (India) jointly celebrated 28th Road Safety Week 2017 on theme: “Your Safety, Secure Your Family: Be cautious on Road” during the

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period January 9-16, 2017. As a part of this Celebration, a Technical Lecture was organized on the concluding day i.e. January 16, 2017. Prof P K Sikdar, Advisor, IRF (India Chapter) & Former Director, CRRRI was Chief Guest on this occasion and delivered the lecture on the topic "Road Safety Management: Issues & Challenges".

Delivering the welcome address, Mr Devendra Gill, Chairman, Delhi State Centre of The Institution of Engineers (India) highlighted the gravity of Road accidents and their consequences and mentioned that it is getting grave day by day, with loss of 17 lives on an average every hour in the country. Referring to the recently released report of Transport Research Wing of Ministry of Road Transport & Highways, Government of India, Mr Devendra Gill mentioned that the total number of road accidents have increased by 2.5 per cent from 4,89,400 in 2014 to 5,01,423 in 2015. The total number of persons killed in road accidents also increased by 4.6 per cent from 1,39,671 in 2014 to 1,46,133 in 2015. Road accident injuries have also increased by 1.4 per cent from 4,93,474 in 2014 to 5,00,279 in 2015.

Addressing the gathering, Mr K B Rajoria, former Chairman, Safety & Quality Forum & Delhi State Centre briefly spoke on the role of various stake holders that are adversely impacting the condition of Roads and traffic in the Country. He mentioned that casualties on Indian Roads is increasing very rapidly, mainly due to lack of coordination between various agencies that are responsible for managing and maintaining the roads. Concluding his address, Mr Rajoria suggested that apart from various suggestion, installation of effective Electronic Informative and Control system will assist in reducing casualty on a large scale.

Delivering the theme address, Chief Guest, Prof P K Sikdar raised serious concern over the rising fatalities in Road accidents. He mentioned that with the current rate of fatalities in road accidents, the projected figure is 94 million by 2060. With reference to Indian context, as per WHO report, road accidents were rated as 9th serious dissent disease in India for 2004, while for 2030, projected order in 3rd place. He mentioned that annually amount of about Rs 3.00 lakhs crore is being lost on account of Road Accidents in India.

Highlighting the key-figures of report of Ministry of Urban Development & Transport, Prof Sikdar mentioned that 10 Indian States are responsible for 74% accidents in India. He stressed on focusing on these 10 States to address the problem substantially Lamenting on the poor response from politicians, Prof Sikdar informed that Road Safety Bill is pending in Parliament since 2007.

Concluding his address, Prof P K Sikdar informed that United Nation has passed resolution in 2010 on this issues and "Decade Action Plan on Road Safety 2011-2020" has been prepared with the objective to first stabilize and then reduce it. We are expected to save 5 million lives by 2020 if the plan is implemented successfully.

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 lecture and was appreciated by all the Participants. Nearly 70 members, guests and invitees attended the function.

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## Technical Lecture

*Role of Engineering and Technology in Health Management - Health & Wellness : Harnessing the Power from within*

*January 21, 2017 at India International Centre, New Delhi*

Delhi State Centre, The Institution of Engineers (India) in association with The Institution of Engineering and Technology, Delhi Local Network (IET-DLN) and Society for Happiness organized a Technical lecture on topic "Role of Engineering and Technology in Health Management-Health & Wellness: Harnessing the Power from within" on January 21, 2017 at India International Centre, New Delhi.

On the occasion Ms Manali Vora, Celebrity Health & Nutrition Expert delivered the lecture. Ms Vora's lecture highlighted various ways, which can assist engineers to cope-up with their stressful work life, and embrace upon living a healthy and well organized life-style for better performance in work and personal life sphere.

The key aspects of her presentation were:

- Understanding Stress and overcoming it through self-management.
- Incorporating various nutritional habits for optimizing our health.
- Understanding food habits for combating the hike in pollution.
- Checkmate for stress and time management for achieving this goals.

The event was well attended by both IEI & IET members and invitees.

## National Seminar

*"Management of Storm Water Drainage System In Urban India"*

*21st January, 2017*

National Seminar on "Management of Storm Water Drainage System in Urban India" was organised by The Institution of Engineers (India), Delhi State Centre in collaboration with Delhi Regional Centre of the Institution of Public Health Engineers, India and Indian Water Resources Society on January 21, 2017 at India International Centre, New Delhi.

The event started with 'National Anthem', recited by about 100 participants including delegats from all the three organising institutions, invitees and a large number of students from different IITs and Technical Universities. Shri Rajiv Ranjan Mishra, IAS, Jt Secretary (Housing), Ministry of Housing and Poverty Alleviation, Government of India inaugurated the Seminar. Welcome address was delivered by Dr. Dinesh Chand, Chairman, Delhi Regional Centre of IPHE, India. Mr Devendra Gill, Chiarman, Delhi State Centre of the Institution of Engineers (India); Prof. S. K. Majumder, past Vice-Chairman of the Indian Water Resources Society; Shri Vinay Sankar, IAS (Retd.), former Secretary, Government of India were the Special Guests of the event. The Seminar was presided over by Prof. K. J. Nath, President, IPHE, India.

Mr Devendra Gill, Chiarman, Delhi State Centre of the Institution of Engineers (India) in his address expressed his dissatisfaction over the deteriorating condition of Storm Water Management system is

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various mega cities in India. He mentioned that lack of coordination between different civil bodies during the conceptualization stage of development of Storm Water Management facilities is the main problem.

The inaugural programme of the day-long Seminar was followed by 2(two) Technical sessions, where 11(eleven) papers were presented by eminent experts.

The technical sessions were chaired by Mr. H. S. Gill, Executive Director - Training, Human Settlement Management Institute and Prof. Arun Kumar, (Professor and MNRE Chair Professor, Alternate Hydro Energy Centre, Indian Institute of Technology, Roorkee. The presentations in both the sessions were followed by lively discussions in the 'Question - hour sessions', wherein the students also took active part in discussions.

Padma Bhusan (Dr.) Bindeshwar Pathak, Founder of Sulabh International Social Service Organisation was the Special Guest in the Validictory Session of the event. The session was followed by felicitation of the following eminent personalities to honour their 'life-time achievement in the field on Public Health Engineering:

1. Padma Bhusan (Dr.) Bindeshwar Pathak, Founder, Sulabh International,
2. Prof. K. J. Nath, President, IPHE, India,
3. Shri S. K. Neogi, Secretary General, IPHE, India,
4. Prof. J. M. Dave, Fellow Member, IPHE, India,
5. Er. Paritosh Tyagi, Fellow Member, IPHE, India,
6. Er. M. M. Dutta, Fellow Member, IPHE, India,
7. Er. P. T. Gurnani, Fellow Member, IPHE, India,
8. Er. Yogesh Sharma, Fellow Member, IPHE, India, and
9. Shri Vinay Sankar, IAS (Retd.)

The event concluded with vote of thanks delivered by Prof. Rakesh Mehrotra, Vice-Chairman of Delhi Regional Centre of IPHE, India followed by recitation of the National Anthem.

**Republic Day, 2017***January 26, 2017*

Delhi State Centre of The Institution of Engineers (India) celebrated the 68th Republic Day in a befitting manner at Institutions Premises in Delhi on January 26, 2017. Shri Devendra Gill, Chairman, IEI-DSC hoisted the National Flag. Shri Praveen Kumar Singh, Honorary Secretary, IEI-DSC, Executive Committee Members, Staff of Delhi State Centre and Student of DSTCC IE(I) attended the flag hoisting ceremony.

The function ended with the National Anthem.

## Technical Lecture

*Theme: Development of an Advanced Personal Protection Garments for Protection against Slashes*

*February 1, 2017 • New Delhi*

Delhi State Centre of The Institution of Engineers (India) jointly with North India Section of Textile Institute and North India Textile Research Association organized Technical Lecture on February 1, 2017 at Institution's premises. On this occasion Prof. Subhash Anand from Institute for Materials Research and Innovation, University of Bolton was Chief Guest of the function and delivered the Lecture on the topic "Development of an Advanced Personal Protection Garments for Protection against Slashes".

Shri Devendra Gill, Chairman, Delhi State Centre-IEI during his address highlighted the esteem and status of The Institution of Engineers (India) having a large membership base spread all over the country as well as five overseas branches. He urged all the persons present in the audience to consider joining IEI. He also congratulated NITRA and NISTI, who have shown their keen interest to conduct this lecture and programme in collaboration with Delhi State Centre-IEI. Briefly touching on development of advance PPEs Shri Gill highlighted that every profession and activity carries some Occupational risk. Even a home maker preparing food in the kitchen and cutting vegetables etc is also exposed to risk of cut injuries as well as burns, for which care is required. Although PPEs are not recommended for each and every exposure, there are many activities and situations where PPEs are considered necessary for protecting the persons exposed to such risks. The need of the hour is to make such PPEs user friendly and convenient to wear, inspect and maintain. He hoped that today's lecture by the invited speaker will address are such critical issues.

The Chairman NISTI and NITRA also addressed the gathering and by Shri Shailesh Kaushik, Members of Delhi State Centre Committee introduced the invited speaker to the audience.

Invited speaker Prof Subhash Anand in his address highlighted the threats faced by law enforcing agencies in US from stabbing cases by miscreant while emergency situations. He presented statistics giving brief about the growing trends of such attacks on police and other law enforcing agency in USA.

Understanding the need of providing protective gear which are effective to prevent any injury from such attacks as well as which are comfortable to wear, a garment have been develop using advance textile which have been tested by various laboratories as well as on mock situations. The results have been very encouraging and many agencies have adopted these as mandatory protective gear for their response personnel. He offered to introduce the same technology through a willing development partner so that the benefit can be extended to Indian users.

Nearly 60 members, guests & invites attended the programme.

## Technical Programme

*Theme: "High Rise Building Fires : Challenges & Fire Fighting Techniques"*

*February 11, 2017 • New Delhi*

Delhi State Centre jointly with Safety & Quality Forum of The Institution of Engineers (India) organized technical programme on theme "High Rise Building Fires : Challenges & Fire Fighting Techniques" on

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February 11, 2017 at Institutions' Premises. Programme comprised of a presentation on the theme by Mr Devendra Gill, Chairman, Delhi State Centre followed by Screening of Movie: "The Tower".

Mr Devendra Gill in his address apprised audience about the different facets of Fire development and spread in a High Rise buildings and Preparedness Plan & strategies to counter fire emergencies in a most effective way. He mentioned that major fatalities occurring in any fire accident is mainly due to asphyxia (suffocation) due to smoke and not due to heat and burns. Presentation covered role of different stakeholders during any fire emergency, importance of fire training, fire audit & installation of various equipments that are vital for containing any fire occurring in the building. Quoting statement of one of the Director of City Fire Service, Mr Gill stressed that role & initiative of common man is more important than Firemen for survival during fire incident.

Movie "The Tower" magnificently focused in details the various issues pertaining to fire accident in a building, starting from the inception stage. It highlighted how poor designing of 80 stories Tall building, Ignorance of effective Fire Sprinkler System, lack of emergency exit plan, poor communication system, lack of training etc led to serious outcome of loss of life as well as building failure.

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

Event was attended by nearly 150 participants, mainly Corporate Members, Student Members, Safety professionals from industries & other invitees.

### **Exhibition Stall of Safety & Quality Forum, Delhi State Centre-IEI**

*February 23-25, 2017, Greater Noida*

Delhi State Centre & Safety and Quality Forum of The Institution of Engineers (India) jointly participated in the exhibition programme organized on the occasion of "Fire & Security India Expo 2017" (FSIE 2017) at India Exposition Mart Limited at Greater Noida during February 23-25, 2017.

Exhibition stall displayed proceedings of various Conventions, Seminars, Workshops and technical programme organized by Safety & Quality Forum and Delhi State Centre. This opportunity was also utilised to promote the membership drive and visitors of the stall were explained various grades of membership being offered by The Institution of Engineers (India). Application form were distributed through hard copies as well as emails were send to all those who showed interest in jointly the IEI.

Delegates and visitors were immensely impressed by the quality as well as diversified topics of the publication.

Shri Devendra Gill, Chairman, IEI-DSC represented the Centre during the exhibition.

### **Felicitation Function of President (IEI)**

*March 6, 2017*

Delhi State Centre of The Institution of Engineers (India) organized Felicitation Function in the honour of President of The Institution of Engineers (India), Mr N B Vasoya on March 6, 2017 at Institutions' Premises in New Delhi.

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Mr Devendra Gill, Chairman, Delhi State Centre in his welcome address mentioned that Delhi State Centre occupies a strategic and important place geographically being in the city of Delhi and can be instrumental in brand building for IEI and also conveying the strong message of how IEI can be of service to government agencies, professional engineers and the common man. Referring to the centenary celebrations of IEI, Mr Gill assured that Delhi State Centre will always be in the service of the Institution to undertake any component of challenging tasks of celebrating the same in a befitting manner. He also informed that in keeping with the changing national scenario and the role that the Institution may be called upon to play, Delhi State Centre has planned a number of activities and interventions into various areas.

Mr Pradeep Chaturvedi, Council Member, The Institution of Engineers (India) in his address complimented the President for the unique distinction of representing the first family where father and son have been the Presidents of IEI, and thereby contributed to growth of the institution. Mr Chaturvedi mentioned that Mr N B Vasoya bring rich experience from the industry and therefore understands the role of IEI in nation's economic development & expressed confidence that Hon'ble President would lay a firm foundation for IEI to proudly march towards its Centenary Year in 2020.

Chief Guest of the function, Hon'ble President Mr N B Vasoya in his address mentioned that in view of the changing scenario of education system in the country, now Delhi State Centre will have to take lead & active role in image building of the Institution by actively interacting with Government agencies. Hon'ble President assured that IEI's HQs will extend all support to the Centre in facilitating such activities. Mr Vasoya insisted that construction of International Centre at Delhi has become urgent requirement of IEI due to ever increasing participation of International delegates in IEI's activities in our activities. He stressed on involvement of more and more lady engineers in IEI and also stressed on supporting our pass out students for their career buiding.

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 Council members from Bye-Laws sub Committee, SDG, Committee Members of Delhi State Centre & other invitees.

### **Technical Programme**

*Theme: "Concept of Fire Resistance Building Design and Discussion on How the Twin Towers Collapsed"*  
*March 11, 2017*

Delhi State Centre jointly with Safety & Quality Forum of The Institution of Engineers (India) organized technical programme on theme "Concept of Fire Resistance Building Design and Discussion on How the Twin Towers Collapsed" on March 11, 2017 at Institutions' Premises. Programme comprised of a presentation on the theme by Mr Devendra Gill, Chairman, Delhi State Centre-IEI followed by Screening of Movie: "Collapse of World Trade Centre".

Mr Devendra Gill, Chairman, Delhi State Centre -IEI in his address briefed the audience about the happening of sequence of events leading to collapse of twin towers when two Aircraft hit them. He narrated that towers had fallen because of heat punishment suffered by steel columns due to burning of Aircraft's Fuel. The fire fighting system was designed for carbonaceous fire , whereas hydrocarbons were



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burning inside the building. He introduced the concept of fire resistant building design thorough active and passive fire protection measures like fire resistant building elements , cavity barrier, compartmentation & pressurization. Mr Gill apprised that today buildings behave in a much more modified behavior & manner when exposed to fire emergency. He also informed that presentation by two such product manufacturers has been arranged for explanation of new techniques of achieving fire safe building design.

Movie "Collapse of World Trade Centre" magnificently focused in details the various issues pertaining to collapse of twin World Trade Tower. M/s Sehgal Doors and M/s 3M gave presentations of their products during the event.

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

Event was attended by nearly 120 participants, mainly Corporate Members, Student Members, Safety professionals from industries & other invitees.

### **One Day Workshop**

*Theme: "Safety during Working at Height"*

*March 18, 2017*

Delhi State Centre jointly with Safety and Quality Forum of The Institution of Engineers (India) organized One day Workshop on "Safety during Working at Height" on March 18, 2017 at Institution's Premises. Workshop was sponsored by M/s Karam Industries & M/s Youngman, UK.

Inaugural Function was chaired by Lt Gen (Retd) J S Ahluwalia, Chairman, Safety & Quality Forum (SQF). Workshop started with ceremonial Lighting of Lamp Ceremony 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 Industrial Fatalities resulting due to Fall From Heights (FFH) have major share under overall Industrial Fatalities. Moreover, Construction Sector, which still is unorganized sector, is accounting most towards Industrial accident occurring due to Fall From Heights. He stressed upon three fold approach to tackle this challenge through Risk assessment, Risk mitigation and Risk management to reduce loss of life and human miseries. Mr Devendra Gill cited perception of various International Experts & Consultancy firms that the gap, with respect to implementing safety system, between India & other developed countries is reducing very rapidly since 2000.

Delivering the workshop address, Lt Gen (Retd) J S Ahluwalia, Chairman, Safety & Quality Forum (SQF) mentioned that Safety & Quality Forum has been working incessantly towards the development of short term skill enhancement courses, in different areas, in order to ensure lateral transformation of knowledge. Gen Ahluwalia stressed that skill development of workers & employees working in this sector have become imperative in order to reduce impact due to Fall From Heights (FFH).

On this occasion, M/S Essar Steel India Ltd, Hazira Plant was conferred with Safety Innovation Award 2016. Recipient of Award, Dr Anil Jain, VP & Head-Health, Safety & Environment (HSE), Essar Steel India Ltd, Hazira's Plant in his address mentioned that M/S Essar Steel India Ltd has always stressed on developing the culture of Safety in their Plants. Safety has been given the utmost priority in M/S Essar

Steel India Ltd due to which Company has delivered outstanding performance & set up a impeccable bench mark in the field of EHS.

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

**Technical Sessions** of the workshop started with Screening of Movie “YOUR FAMILY NEEDS YOU”. This Eye-opening & informative movie set the tone of workshop technical sessions.

**Technical Session 1** was conducted on Topic “Ensuring Safety during Working at Height at High Rise Buildings”. Mohammad Moizuddin, Head EHS North India, Larson and Toubro delivered the lecture during this session. Md. Moizuddin in his address shared his experience of working during the construction of world tallest building, Burj Khalifa ( 828 m ). Md. Moizuddin in his presentation broadly described about the various strategies for reducing & eliminating hazards from Fall. He mentioned that key strategies for reduction in fall hazards are through engineering design/practice, Installing Fall Protection Systems, Providing PPEs & by training personnel in hazard recognition & avoidance.

**Technical Session 2** was conducted on Case Study “HSE Excellence Journey at Essar Steel India Limited”. Dr Anil Jain, VP & Head-Health, Safety & Environment (HSE), Essar Steel India Ltd, Hazira delivered the presentation in the session. Dr Anil Jain mentioned that Essar Steel strongly believes in the saying “Nothing is more important than the Safety & Health of people who work in the plant”. He informed that foundations of Essar's Strong HSE Management System are due to HSE Policy, Safety Mandates – A Fatality Prevention Tool, HSE Cardinal Rules & HSE Code of Conduct. Dr Jain's address highlighted HSE Management System, Awareness & training system, Contractor management system, System for ensuring Safety during Working at Height.

**Technical Session 3** was conducted on Theme “Legal Aspects & Codal Requirement: Safety during Working at Height”. Mr Sanjay Pant, Director & Head (Civil), Bureau of Indian Standards delivered the presentation during this session. Mr Sanjay Pant in his address highlighted broadly about various IS Codes applicable for ensuring safety during working at height. Major IS codes covered in the address were : IS 3764:1992 Code of safety for excavation work, IS 5121:2013 Code of safety for piling and other deep foundations, IS 8989:1978 Safety code for erection of concrete framed structures, IS 7205:1974 Safety code for erection of structural steelwork , IS 3696 Safety code of scaffolds and ladders, IS 4014 (Part 2):2013 Code of practice for steel tubular scaffolding, IS 818 : 1968. Code of practice for safety and health requirements in electric and gas welding and cutting operations, IS 13415:1992 Code of safety for protective barriers in and around buildings, & IS 13416(Part 2):1992. Recommendations for preventive measures against hazards at workplaces: Part 2 Fall prevention.

**Technical Session 4** was conducted on Theme “Working at Height during Construction of “Highway Structures”. Mr S K Popli, Additional General Manager, RITES Ltd delivered the presentation during this session. Mr S K Popli in his address mentioned that construction site is a place where numerous activities are taking place simultaneously. The situation gets further complicated in case of construction of highway structures due to carrying of construction on the place where heavy volume of traffic is plying. Mr Popli in his presentation highlighted in detail on safety hazards and unsafe practices while working at height during construction of grade separated highway structures & recommended feasible measures to enhance safety during construction.

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In the **Concluding Session**, M/sKaram Industries & M/s Youngman, UK also made presentations on the case studies of their innovative Safety products. A special presentation was conducted by DTU's students to showcase their newly developed Apps on Safety. Students mentioned that the App, named as "SAFETY FIRST" has been developed to create common networking platform for safety professionals to assist them in enriching their knowledge in area of Safety.

Workshop witnessed participation from prominent & leading organizations, like NTPC, DMRC, Nuclear Fuel Complex, Larsen and Toubro, Tata Projects, CEC, Alstom, Siemens etc. Nearly 125 delegates & Invitees participated in the programme.

Exhibition was also organized on the side line of the workshop. M/sKaram Industries & M/s Youngman, UK respectively exhibited their product during the workshop and also gave live demonstration of their latest launch.

## **World Water Day 2017**

*March 22, 2017*

Delhi State Centre of The Institution of Engineers (India), Delhi Regional Centre of Institution of Public Health Engineers, India and IET (UK), Delhi Local Network jointly organized World Water Day 2017 on the theme "Waste Water" on March 22, 2017 at Institution's Premises. On this occasion, special lectures were delivered by Shri Alok Suman, Treasurer, IPHE on "Waste Water Treatment: Technology Options" and Shri K A Roy, Honorary Secretary, on the topic: "Ganga River Pollution Abatement –Past, Present & the Future" respectively.

Delivering the welcome address, Shri Devendra Gill, Chairman, Delhi State Centre-IEI mentioned that scarcity of pure drinking water is posing threats internationally, on the health of all living creatures in world, including human being. He insisted on focussing the recovery of waste water in order to counter this menace.

Shri R N Rajoot, Chairman, IET (UK), Delhi Local Network in his address stressed on implementing collaborative efforts to reduce the pollution of rivers in India.

Shri Alok Suman, Treasurer, Institution of Public Health Engineers, India, Delhi Regional Centre delivered his address on the topic "Waste Water Treatment: Technology Options". Shri Suman spoke on Wastewater System, Need for Safe Sanitation System, Present Scenario of Urban Sanitation in India, Composition of Domestic Sewage and Design Parameters, Objective of Wastewater Treatment, Treated Effluent Discharge Standard, Policies and Institutional Set-up for WWTs, Sewage Treatment Process Selection, Options for Wastewater Treatment and Levels of Treatment.

Shri K A Roy, Honorary Secretary, Institution of Public Health Engineers, India, Delhi Regional Centre delivered address on the topic: "Ganga River Pollution Abatement –Past, Present & the Future". Shri Roy in his address cited various reasons for Ganga Water's pollution. He mentioned that realizing that the rivers of the country were in a serious state of degradation, a beginning towards their restoration was made with launching of the Ganga Action Plan (GAP) in 1985. Shri Roy mentioned that establishment of National Ganga River Basin Authority (NGRBA), is a turning points towards the rejuvenation of River Ganga. Subsequently "Ganga River Basin" management plan has been developed for restoration of River

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Ganga through Eight important Missions Aviral Dhara, Nirmal Dhara, Ecological Restoration, Geological Safeguarding, Sustainable Agriculture, River Hazard Management, Basin Protection from Natural Disaster and “Environmental Knowledge-Building and Sensitization. He mentioned that Namami Gange approaches Ganga Rejuvenation by consolidating the existing ongoing efforts and planning for a comprehensive action plan for future. His address conveyed in details the various stages of Ganga Rejuvenation project.

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

Nearly 70 members, guests and invitees attended the function.

### **Technical Seminar**

*Topic: “Overview of National Building Code of India-2016 & Insights to Fire & Life Safety (Part-4)”*

*March 30, 2017*

Delhi State Centre of The Institution of Engineers (India) jointly with Bureau of India Standard and Fire and Security Association of India organized a vital first technical seminar on theme “Overview of National Building Code of India-2016 & Insights to Fire & Life Safety (Part-4)” on March 30, 2017 at Institutions' Premises, after the launching of NBC-2016 on March 17, 2017.

On this occasion, Key-Note Addresses were delivered by three eminent personalities, who have considerably contributed in the drafting of National Building Code 2016. These were Shri Sanjay Pant, Director & Head (Civil Engineering), Bureau of Indian Standards; Shri S K Dheri, Chairman, NBC- Part IV & Head Safety, DLF Group & Shri Sandeep Goel, Director & Founder, Proion Consultant.

Delivering the welcome address in the Inaugural Session, Shri Devendra Gill, Chairman, Delhi State Centre-IEI highlighted the importance of this seminar as National Building Code of India 2016 version has been recently released by Hon'ble Shri Ram Vilas Paswan, Minister of Consumer Affairs, Food and Public Distributions. Shri Gill proudly announced that this event is the first event being organised anywhere in India after the release of revised National Building Code. He announced that Delhi State Centre would strive hard to propagate various provisions of NBC through such events in times to come. Chairman, Delhi State Centre-IEI also offered the services of The Institution of Engineers (India) for coordinating similar programme at various other State & Local Centres of IEI, as was done previously during the release of then updated NBC way back in 2005. He also urged audience present to come forward to give their suggestion for programme which they desire which shall be conducted by Delhi State Centre.

Gracing the occasion as Guest of Honour, Shri Pradeep Chaturvedi, Council Member, IEI in his address apprised the gathering about the need of comprehensive National Building Code which provides guidelines for builders, architect, planners, system suppliers and emergency responders to create safe environment for the occupants of the buildings.

Delivering the first Key-Note address on topic “An Overview of National Building Code of India-2016”, Shri Sanjay Pant, Director & Head (Civil Engineering), Bureau of Indian Standards gave insight to the various provisions which have been incorporated in the latest version of NBC. He stated that huge efforts has been put into place by various Committee comprising of experts from respective fields to bring the

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code to the international standards as well as meeting all the threats to the occupants. He touched upon the various chapters and their relevance for proper planning of building which will come up in times to come.

2nd Key Note Speaker Shri SK Dheri, Chairman, NBC- Part IV & Head Safety, DLF Group in his address on topic "The Making of NBC" narrated the journey of making of National Building Code, which took great amount of efforts and time of dedicated team of Bureau of Indian Standards and Volunteers which comprised of experts of different committees, formulated to advise BIS. He briefly touched upon the changes which have been made in terms of provisions of fire and life safety.

In the last technical session Shri Sandeep Goel, Director & Founder, Proion Consultant delivering his lecture on "Insights to Fire & Life Safety (NBC Part IV)" covered the most crucial aspect of fire safety prevention and protection systems, which are required to be installed in the buildings. He stressed that to save loss of life, advance technology along with suitable Procedures and Preparedness Plan would be essential. India as a nation has suffered huge losses of life as well as property in fire tragedies, which all were avoidable.

Vote of thanks was delivered by Shri Praveen Kumar Singh, Honorary Secretary, Delhi State Centre-IEI.

The programme was supported by two hospitality sponsors and secretarial support of Delhi State Centre, working in tandem with FSAI and BIS, resulted in jam packed gathering of more than 250 delegates for this event.

The event received tremendous response and very encouraging feedback.

### Interactive Sessions with Student Members

As an Initiative to assist Student Members of IEI, Special Interactive Sessions were arranged on the following dates. Delhi State Centre's Committee Members Shri V K Gupta, FIE and Shri Subhash Chander, MIE conducted the Sessions on:

- 17/12/2016
- 11/02/2017
- 11/03/2017.



**(Praveen Kumar Singh)**

Honorary Secretary  
The Institution of Engineers (India)  
Delhi State Centre

Date : October 20, 2017

Auditor's Report

## Auditor's Report

### CHHABRA PRASAD & CO. Chartered Accountants

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We report that we have audited the annexed Balance Sheet of the Institution of Engineers (India), Delhi State Centre as at 31st March, 2017 signed by us under reference to this report and the relative Income and Expenditure Account and the Cash Flow Statement for the year ended on that date which are in agreement with the books of accounts maintained at the Delhi State Centre.

We have conducted our audit in accordance with auditing standards generally accepted in India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion and to the best of our information and according to the explanations given to us that Balance Sheet and the relative Income and Expenditure account together with the notes there on and subject to the comments annexed (Annexure-II) give a true and fair view of the state of affairs of the Institution of Engineers (India), Delhi State Centre as on 31.03.2017 and the excess of its income over expenditure for the year ended on that date.

Subject to the comments annexed (Annexure-II) we have obtained all the information and explanations which to the best of our knowledge and belief, were necessary for our audit.

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

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

Date : 22.06.2017  
Place : New Delhi

## Balance Sheet

**Balance Sheet as on 31st March, 2017**

| Previous Year  | Liabilities  | Schedule | Current Year 2016-2017 | Previous Year         | Assets                                      | Schedule | Current Year 2016-2017 |
|----------------|--|----------|------------------------|-----------------------|---|----------|------------------------|
|                | <b>Funds</b>   |          |                        |                       | <b>Fixed Assets</b>                         | K        |                        |
| 10,52,516.31   | Building Fund  |          | 10,52,516.31           | 98,82,607.00          | Balance as on 1.4.2016                      |          | 98,82,607.00           |
| 2,00,189.30    | Furniture Fund   |          | 2,00,189.30            |                       | Add : Additions during the year             |          | 8,77,037.50            |
| 2,902.10       | Prize Fund   |          | 2,902.10               |                       | Less : Sale/Deletions during the year       |          | -                      |
| 2,00,000.00    | Contribution for Mrs Bala Gulshan Tandon Award                               |          | 2,00,000.00            |                       |   |          | 1,07,59,644.50         |
| 15,01,861.00   | Contribution for Fixed Assets  |          | 15,01,861.00           |                       | <b>Investment</b>                           |          |                        |
| -              | Donation   |          | 2,08,000.00            | 11,24,721.68          | Delhi State Centre                          |          |                        |
|                | <b>Endowment Fund</b>  |          |                        |                       | Fixed Deposits                              |          | 10,00,000.00           |
| 73,780.00      | Mrs. Bala Gulshan Tandon Award   |          | 82,818.00              |                       | Add : Interest Accrued                      |          | 2,06,211.68            |
|                | <b>Reserves &amp; Surplus</b>  | C        | 1,60,44,647.14         | 8,94,943.37           | Guidance Classes                            |          |                        |
| 1,46,08,618.44 |  |          |                        |                       | Fixed Deposits                              |          | 8,39,707.00            |
|                |  |          |                        |                       | Add : Interest Accrued                      |          | 1,16,925.37            |
|                | <b>Current Liabilities &amp; Provisions</b>                                  |          |                        |                       | <b>Current Assets, Loans &amp; Advances</b> |          |                        |
| 4,63,000.00    | Library Deposits   |          |                        |                       | Recoverable from H.Q.                       |          |                        |
|                | Opening Balance  |          | 4,63,000.00            |                       | - T.D.S                                     |          | 34,96,359.85           |
|                | Additions during the year  |          | 1,02,000.00            | 28,62,982.85          | - Maint. Charges (H.Q Cell)                 |          | -                      |
|                |  |          | 5,65,000.00            | 7,31,946.00           | - H.Q Account                               |          | 1,40,873.00            |
|                | Less : Refund during the year  |          | 13,500.00              |                       |   |          | 36,37,232.85           |
|                | Written off during the year  |          | -                      | 5,51,500.00           |   |          |                        |
|                | Sundry Creditors   | D        | 6,36,950.00            |                       | <b>Current Assets</b>                       |          |                        |
| 2,97,514.00    | Other Current Liabilities  | E        | 16,87,795.00           | 9,08,681.00           | Sundry Debtors                              | G        | 5,59,805.00            |
| 18,07,392.00   | H.Q. Account   |          | 1,52,870.00            | 9,27,000.00           | Other Current Assets                        | H        | 9,88,296.00            |
| 1,52,870.00    | Liabilities of Guidance Class  | F        | 1,75,454.00            | 1,04,300.00           | Stock of Forms                              | I        | 1,00,700.00            |
| 24,294.00      |  |          |                        | 26,64,023.25          | Cash & Bank balances                        | J        | 58,94,049.45           |
|                |  |          |                        | 43,732.00             | Recoverable from 27th IEC                   |          | 43,732.00              |
|                |  |          |                        | <b>2,24,97,502.85</b> |   |          | <b>2,24,97,502.85</b>  |
|                |  |          |                        | <b>2,03,84,937.15</b> |   |          |                        |
|                | <b>Significant accounting policies and notes to the financial statements</b> | L        |                        |                       |   |          |                        |

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

For **Chhabra Prasad & Co.**  
Chartered AccountantsSd/-  
**Sanjeev Chhabra**  
FCA, Prop.Sd/-  
**Devendra Gill**  
(Chairman)Sd/-  
**Praveen Kr. Singh**  
(Honorary Secretary)Place : New Delhi  
Dated : 22.06.2016

## Income &amp; Expenditure Account

| <b>Income &amp; Expenditure Account<br/>for the year ended 31st March, 2017</b> |             | <b>Previous Year</b><br>34041 Strength of membership<br>Corporate 8579<br>Non-corporate 25462<br>R & D Edn. 25%<br>75%<br>(Rounded to nearest Rupee) |                         | <b>Current Year</b><br>35246 Strength of membership<br>Corporate 8867<br>Non-corporate 26379<br>R & D Edn. 25%<br>75% |  |                        |           |                        |
|---|-------------|--|-------------------------|---|--|------------------------|-----------|------------------------|
| 2015-2016<br>R & D Edn.   | EXPENDITURE | Basis of Allocation  | 2015-2016<br>R & D Edn. | INCOME  | Basis of Allocation  | Research & Development | Education | Total Amount 2016-2017 |
| 1,49,118  | 4,47,353    |  | 5,10,924                | 15,32,772   | Recurring Grant  | 5,26,016               | 15,78,049 | 21,04,065              |
| 1,77,450  | 5,32,349    |  |                         |   | <b>By Grant from Headquarters for Students Examination</b>   |                        |           |                        |
| 40,296  | 1,20,888    | City Compensatory  |                         |   | Edn. 100%  |                        |           |                        |
| 34,780  | 1,04,341    | House Rent Allowance   |                         |   |  |                        | 22,21,606 | 22,21,606              |
| 8,694   | 26,082      | Personal Allowance   |                         |   | Surplus from Guidance Class (As per Schedule - A)            |                        | 11,15,075 | 11,15,075              |
| 2,488   | 7,465       | Special Allowance  |                         |   |  |                        |           |                        |
| 7,440   | 22,320      | Washing Allowance  |                         |   | <b>By Amount received from Headquarters as Reimbursement</b> |                        |           |                        |
| 9,499   | 28,496      | Ad-hoc Bonus   |                         |   | R & D 25%  |                        |           |                        |
|   |             |  |                         |   | Edn. 75%   |                        |           |                        |
| 1,84,875  | 5,54,625    | Salary to Temporary Staff  | 1,01,903                | 3,05,708  | Man Power Grant  | 1,11,536               | 3,34,609  | 4,46,145               |
| 7,572   | 22,716      | Leave Encashment   | 59,756                  | 1,79,267  | Jr. Most Staff Salary Grant                                  | 67,939                 | 2,03,816  | 2,71,755               |
|   |             | Staff Welfare  | 7,572                   | 22,716  | Leave Encashment   | 9,524                  | 28,573    | 38,097                 |
| 4,500   | 13,500      | Children Education Allowance   |                         |   |  |                        |           |                        |
| 8,000   | 24,000      | Medical reimbursement  | 4,500                   | 13,500  | Children Education Allowance                                 |                        |           |                        |
| 58,246  | 1,74,738    | Library Expenses (including cost of books)   |                         |   | Renovation of Building Grant                                 |                        |           |                        |
| 21,188  | 63,563      | Honorarium to Management   | 8,000                   | 24,000  | Medical Reimbursement  | 7,862                  | 23,585    | 31,447                 |
| 67,500  | 2,02,500    | Security Service Charges   | 432                     | 1,295   | Bonus - Staff  | 864                    | 2,591     | 3,454                  |
|   |             | <b>To Office Expenses</b>  | 36,956                  | 1,10,867  | Election Expenses Reimbursement                              | 37,695                 | 1,13,085  | 1,50,780               |
|   |             |  | 17,103                  | 51,308  | DSTCC Grant  |                        |           |                        |
| 7,109   | 21,326      | Postage & Telegram   |                         |   |  |                        |           |                        |
| 11,676  | 35,029      | Telephone & Telex  |                         |   | <b>By Receipt on Technical Activities</b>                    |                        |           |                        |
| 10,875  | 32,625      | Web Site & Internet Charges  |                         |   | R & D 100%   |                        |           |                        |
|   |             |  |                         |   | Seminars & Symposia  | 32,55,634              | -         | 32,55,634              |
|   |             |  |                         |   | - All India  |                        |           |                        |



## Income &amp; Expenditure Account

| 2015-2016<br>R & D | 2015-2016<br>Edn. | EXPENDITURE   | Basis of<br>Alloca-<br>tion | Research<br>& Develop-<br>ment | Education | Total<br>Amount<br>2016-2017 | 2015-2016<br>R & D | 2015-2016<br>Edn. | INCOME                                       | Basis of<br>Alloca-<br>tion                     | Research<br>& Develop-<br>ment | Education | Total<br>Amount<br>2016-2017 |
|--------------------|-------------------|---|-----------------------------|--------------------------------|-----------|------------------------------|--------------------|-------------------|--|---|--------------------------------|-----------|------------------------------|
| 12,951             | 38,852            | Printing & Stationery/<br>Computer Gadgets                        |                             | 26,161                         | 78,482    | 1,04,643                     |                    |                   | <b>By Other Receipts</b>                     |   |                                |           |                              |
|                    |                   |   |                             |                                |           |                              |                    |                   | R & D  | 100%  |                                |           |                              |
| 2,96,672           | 8,90,017          | Electricity & Water Charges                                       |                             | 3,92,245                       | 11,76,734 | 15,68,978                    | 50,39,518          |                   | -  | Service Charges for<br>Retiring Rooms/Hall Rent | 55,01,735                      | -         | 55,01,735                    |
| 1,03,972           | 3,11,915          | Rates & Taxes   |                             | 78,916                         | 2,36,748  | 3,15,664                     | 2,40,000           |                   | -  | Maintenance Charges for<br>HQ cell              | 2,40,000                       | -         | 2,40,000                     |
| 611                | 1,834             | Ground Rent - L&DO  |                             | -                              | -         | -                            | 1,800              |                   | -  | Electricity Charges from staff Qtrs.            | 1,800                          | -         | 1,800                        |
| 61,030             | 1,83,091          | Festival Expenses   |                             | 73,867                         | 2,21,602  | 2,95,469                     | 6,000              |                   | -  | Incentive Grant from H.Q                        | 6,000                          | -         | 6,000                        |
|                    |                   | <b>To Repair &amp; Maintenance</b>                                |                             |                                |           |                              |                    |                   | -  | Rites Exam                                      | 1,50,000                       | -         | 1,50,000                     |
|                    |                   |   |                             |                                |           |                              |                    |                   | -  | Sale of Scrap                                   | 11,200                         | -         | 11,200                       |
| 1,61,056           | 4,83,169          | Building Maintenance  | R&D                         | 1,72,647                       | 5,17,940  | 6,90,587                     |                    |                   | -  | Donation for Building Fund                      |                                | -         |                              |
| 31,608             | 94,823            | Electrical Installation/<br>Furniture/Lift/Computer               | Edn.                        | 44,718                         | 1,34,154  | 1,78,872                     | 1,00,000           |                   |  |   |                                | -         |                              |
| 43,648             | 1,30,943          | Air Conditioning Maintenance                                      |                             | 40,641                         | 1,21,922  | 1,62,563                     |                    |                   |  |   |                                |           |                              |
| 89,435             | 2,68,304          | Renovation of Building  |                             | 1,43,522                       | 4,30,565  | 5,74,087                     |                    |                   | <b>By Library Receipts</b>                   |   |                                |           |                              |
| 30,770             | 92,310            | LED Sign Board Maintenance  |                             | -                              | -         | -                            | 136                | 409               | R & D  | 25%   |                                | 536       | 715                          |
| 2,994              | 8,981             | Renovation of SDG / President<br>Room                             |                             | -                              | -         | -                            | 125                | 375               | Edn.   | 75%   | 179                            | 1,391     | 1,855                        |
|                    |                   |   |                             |                                |           |                              |                    |                   | (Drawing -Board, Miscellaneous<br>Income)    |   | 464                            |           |                              |
|                    |                   | <b>To Traveling &amp; Development Expenses</b>                    |                             |                                |           |                              | 9,375              | 28,125            | Library Security Written-off                 |   |                                |           |                              |
|                    |                   |   |                             |                                |           |                              |                    |                   |  |   |                                |           |                              |
| 17,171             | 51,512            | Traveling Expenses  | End.                        | 21,093                         | 63,279    | 84,372                       |                    |                   | <b>By Interest/Dividend</b>                  |   |                                |           |                              |
| 3,824              | 11,471            | Conveyance  | R & D                       | 6,062                          | 18,185    | 24,247                       |                    |                   | R & D  | 25%   |                                |           |                              |
|                    |                   |   |                             |                                |           |                              |                    |                   | Edn.   | 75%   |                                |           |                              |
| 1,36,873           | -                 | Engineers' Day Celebration  | R & D                       | 1,02,828                       | -         | 1,02,828                     | 55,065             | 1,65,195          | Interest on Fixed and<br>Short Term Deposits |   | 38,862                         | 1,16,586  | 1,55,448                     |
| 1,770              | -                 | Technician Chapter Activities                                     |                             | 27,537                         | -         | 27,537                       |                    |                   | Amount Written Off                           |   |                                |           |                              |
| -                  | -                 | News Letter   |                             | 2,29,051                       | -         | 2,29,051                     | 6,345              | 19,034            | Excess of Expenditure over Income            |   |                                |           |                              |
| 27,34,334          | -                 | Seminars & Symposia<br>As per Schedule - B )<br>To Other Expenses |                             | 28,12,228                      | -         | 28,12,228                    | (31,30,573)        | 39,57,931         |  |   |                                |           |                              |
|                    |                   |   |                             |                                |           |                              |                    |                   |  |   |                                |           |                              |
| 4,23,954           | -                 | Maintenance of Retiring<br>Room/Hall                              | R & D                       | 5,11,711                       | -         | 5,11,711                     |                    |                   |  |   |                                |           |                              |
| 37,163             | -                 | Expenses on Photocopier<br>To Meeting Expenses                    |                             | 35,951                         | -         | 35,951                       |                    |                   |  |   |                                |           |                              |
|                    |                   |   |                             |                                |           |                              |                    |                   |  |   |                                |           |                              |
| 2,81,673           | -                 | Annual General Meeting  | R & D                       | 1,18,363                       | -         | 1,18,363                     |                    |                   |  |   |                                |           |                              |
| 36,825             | -                 | General Meeting   |                             | 47,185                         | -         | 47,185                       |                    |                   |  |   |                                |           |                              |
| -                  | -                 | Election Expenses   |                             | 5,84,556                       | -         | 5,84,556                     |                    |                   |  |   |                                |           |                              |

## Income &amp; Expenditure Account

| 2015-2016<br>R & D<br>Edn. | EXPENDITURE                                      | Basis of<br>Alloca-<br>tion | Research<br>& Develop-<br>ment | Education        | Total<br>Amount<br>2016-2017 | 2015-2016<br>R & D<br>Edn. | INCOME           | Basis of<br>Alloca-<br>tion | Research<br>& Develop-<br>ment | Education        | Total<br>Amount<br>2016-2017 |  |
|----------------------------|--|-----------------------------|--------------------------------|------------------|------------------------------|----------------------------|------------------|-----------------------------|--------------------------------|------------------|------------------------------|--|
|                            | <b>To Direct Expenses for conducting Exams</b>   |                             |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
|                            |  | Edn. 100%                   |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
| - 18,88,433                | AMIE Exams                                       |                             | - 19,69,550                    |                  | 19,69,550                    |                            |                  |                             |                                |                  |                              |  |
|                            | <b>To Charges General</b>                        |                             |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
|                            |  | R & D 25%<br>Edn. 75%       |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
| 5,390                      | Liveries to Peon                                 |                             | 10,524                         | 31,572           | 42,096                       |                            |                  |                             |                                |                  |                              |  |
| 6,910                      | Maintenance of Lawn                              |                             | 11,841                         | 35,522           | 47,363                       |                            |                  |                             |                                |                  |                              |  |
|                            | <b>To Miscellaneous Expenses</b>                 |                             |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
|                            |  | R & D 25%<br>Edn. 75%       |                                |                  |                              |                            |                  |                             |                                |                  |                              |  |
| 369                        | Bank Charges                                     |                             | 614                            | 1,841            | 2,454                        |                            |                  |                             |                                |                  |                              |  |
| 20,152                     | Service Tax/TDS Interest                         |                             | 23,265                         | 69,796           | 93,061                       |                            |                  |                             |                                |                  |                              |  |
| -                          | RITES Exams                                      |                             | 11,200                         | 33,600           | 44,800                       |                            |                  |                             |                                |                  |                              |  |
| 1,250                      | Conference/Seminar<br>Participation/Delegate Fee |                             | -                              | -                | -                            |                            |                  |                             |                                |                  |                              |  |
| 5,750                      | Professional Fee                                 |                             | 7,000                          | 21,000           | 28,000                       |                            |                  |                             |                                |                  |                              |  |
| 8,500                      | Audit Fees/Audit expenses                        |                             | 11,000                         | 33,000           | 44,000                       |                            |                  |                             |                                |                  |                              |  |
| 29,452                     | Amount Written Off                               |                             | 4,436                          | 13,309           | 17,745                       |                            |                  |                             |                                |                  |                              |  |
| 97,519                     | Subletting Charges -L &DO                        |                             | 75,273                         | 2,25,818         | 3,01,090                     |                            |                  |                             |                                |                  |                              |  |
| 1,68,936                   | Demand - L&DO                                    |                             | -                              | -                | -                            |                            |                  |                             |                                |                  |                              |  |
| 144                        | Miscellaneous Expenses                           |                             | 1,491                          | 4,472            | 5,963                        |                            |                  |                             |                                |                  |                              |  |
| 28,500                     | Payment of Building Plan (New)                   |                             | -                              | -                | -                            |                            |                  |                             |                                |                  |                              |  |
|                            | Excess of income over<br>expenditure             |                             | 35,39,944                      | (21,03,915)      | 14,36,029                    |                            |                  |                             |                                |                  |                              |  |
| <b>56,92,507</b>           | <b>80,08,178</b>                                 |                             | <b>99,67,310</b>               | <b>57,39,502</b> | <b>1,57,06,811</b>           | <b>56,92,507</b>           | <b>80,08,178</b> |                             | <b>99,67,309</b>               | <b>57,39,502</b> | <b>1,57,06,811</b>           |  |

Significant accounting policies and notes to the financial statements L

This is the Income &amp; Expenditure Account referred to in our report of even date attached.

For Chhabra Prasad & Co.  
Chartered Accountants  
Sd/-  
Sanjeev ChhabraSd/-  
Devendra GillSd/-  
Praveen Kr. Singh

Place : New Delhi

## Schedule

**SCHEDULE - A****GUIDANCE CLASS ACCOUNT****Income & Expenditure Account for the year ending 31st March, 2017**

| <b>Expenditure</b>                | <b>Amount</b>       | <b>Income</b>                       | <b>Amount</b>       |
|-----------------------------------|---------------------|-------------------------------------|---------------------|
| TA/DA Lecturers                   | 2,69,570.00         | Tuition fee                         | 13,71,360.00        |
| Refund of Tuition Fee             | 65,100.00           | Interest received on Fixed Deposits | 44,510.00           |
| Bank Charges                      | 460.00              | Interest on saving A/c              | 48,825.00           |
| Printing and Stationery           | 14,490.00           |                                     |                     |
| Excess of income over expenditure | 11,15,075.00        |                                     |                     |
|                                   | <b>14,64,695.00</b> |                                     | <b>14,64,695.00</b> |

As per our report of even date attached

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

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

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

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

## Schedule

**SCHEDULE - B****SEMINAR AND SYMPOSIA LECTURES**

| PARTICULARS  | INCOME EXPENDITURE  |                     |
|--|---------------------|---------------------|
| Safety Convention 2016 - September 3-5, 2016                           | 32,40,634.00        | 25,98,756.00        |
| All India Seminar on Food Processing Industries - February 13-14, 2016 | 15,000.00           | -                   |
| Dr. S P Luthra Memorial Lecture - July 27, 2016                        | -                   | 43,090.00           |
| World Habitat day - October 5, 2016                                    | -                   | 900.00              |
| Maj Gen Harkirat Singh Memorial Lecture - April 5, 2016                | -                   | 39,860.00           |
| Energy Conservation Day 2016   | -                   | 6,847.00            |
| World Telecommunication Day - May 17, 2016                             | -                   | 5,400.00            |
| World Environment Day - June 5, 2016                                   | -                   | 33,249.00           |
| World Water Day - March 22, 2017                                       | -                   | 11,385.00           |
| Felicitation Function of President-IEI                                 | -                   | 27,928.00           |
| Republic Day Function - 2017   | -                   | 10,285.00           |
| Technical Lecture - 2016-2017  | -                   | 34,528.00           |
|  | <u>32,55,634.00</u> | <u>28,12,228.00</u> |

**SCHEDULE - C****RESERVES & SURPLUS**

| PARTICULARS                      | AMOUNT              |                              |
|----------------------------------|---------------------|------------------------------|
| <b><u>Delhi State Centre</u></b> |                     |                              |
| Last year balance                | 9,57,450.09         |                              |
| Add : Surplus during the year    | <u>3,20,953.70</u>  | 12,78,403.79                 |
| <b><u>Guidance Class</u></b>     |                     |                              |
| Last year balance                | 1,36,51,168.35      |                              |
| Add : Surplus during the year    | <u>11,15,075.00</u> | 1,47,66,243.35               |
|                                  |                     | <u><u>1,60,44,647.14</u></u> |

## Schedule

**SCHEDULE - D****SUNDRY CREDITORS**

| <b>PARTICULARS</b>              | <b>AMOUNT</b>      |
|---------------------------------|--------------------|
| Little More Ads                 | 1,396.00           |
| Maansee Printers                | 27,046.00          |
| C K Associate - Canteen Account | 5,32,000.00        |
| C K Associate - Contractor A/c  | 13,867.00          |
| Aditya Enterprises              | 3,069.00           |
| R S Cooling Solution            | 46,512.00          |
| Vardhman Sales Corpn            | 13,060.00          |
|                                 | <b>6,36,950.00</b> |

**SCHEDULE - E****OTHER CURRENT LIABILITIES**

| <b>PARTICULARS</b>          | <b>AMOUNT</b>       |
|-----------------------------|---------------------|
| Telephone Charges Payable   | 3,137.00            |
| Service Tax Payable         | 14,444.00           |
| Salary Payable              | 2,183.00            |
| TDS Payable                 | 14,896.00           |
| Audit Fee Payable           | 20,000.00           |
| Service Charges Payable     | 3,63,015.00         |
| Electricity Charges Payable | 1,47,700.00         |
| MCD Taxes Payable           | 4,15,887.00         |
| Security - Canteen          | 60,000.00           |
| Safety Convention 2017      | 5,00,000.00         |
| Hall Booking Advance        | 46,574.00           |
| Water Charges Payable       | 99,959.00           |
|                             | <b>16,87,795.00</b> |

## Schedule

**SCHEDULE - F****LIABILITIES OF GUIDANCE CLASS**

| <b>PARTICULARS</b>              | <b>AMOUNT</b>      |
|---------------------------------|--------------------|
| Honorarium payable to Lecturers | 1,18,314.00        |
| Tuition Fee refundable          | 57,140.00          |
|                                 | <b>1,75,454.00</b> |

**SCHEDULE - G****SUNDRY DEBTORS**

| <b>PARTICULARS</b>               | <b>AMOUNT</b>      |
|----------------------------------|--------------------|
| QCI - Rent & Charges Recoverable | 1,94,671.00        |
| RITES Limited                    | 1,59,354.00        |
| Smart Teach                      | 15,120.00          |
| Syndicate Bank                   | 11,500.00          |
| Tata Project GYT-TPL Joint       | 33,350.00          |
| Unique Art Studio                | 3,504.00           |
| C K Associates                   | 115.00             |
| Safety Quality Forum             | 1,42,191.00        |
|                                  | <b>5,59,805.00</b> |

**SCHEDULE - H****CURRENT ASSETS (RECEIVABLES)**

| <b>PARTICULARS</b>                      | <b>AMOUNT</b>      |
|---|--------------------|
| Safety Convention during November' 2014 | 4,00,000.00        |
| Safety Convention during November' 2015 | 1,00,000.00        |
| AIS Food Security during February 2015  | 3,00,000.00        |
| Safety Convention during November 2016  | 1,76,500.00        |
| Prepaid Expenses                        | 10,500.00          |
| Recoverable from Staff                  | 612.00             |
| Service Tax - Excess Paid               | 684.00             |
|   | <b>9,88,296.00</b> |

## Schedule

**SCHEDULE - I****STOCK OF FORMS**

| <b>PARTICULARS</b>       | <b>AMOUNT</b>             |
|--------------------------|---------------------------|
| Stock of Ties (IEC-2012) | 1,00,700.00               |
|                          | <b><u>1,00,700.00</u></b> |

**SCHEDULE - J****CASH & BANK BALANCES**

| <b>PARTICULARS</b>                | <b>AMOUNT</b>              |
|-----------------------------------|----------------------------|
| <b>DELHI STATE CENTRE</b>         |                            |
| Cash in hand                      | 101.00                     |
| <b>CASH AT BANK</b>               |                            |
| Central Bank - Delhi State Centre | 18,41,425.53               |
| Central Bank - 29th NCEE          | 1,33,057.00                |
| Central Bank - Safety Con. 2016   | 8,55,350.17                |
| Central Bank- Safety Con. 2015    | 18,867.99                  |
| Axis Bank - Building A/c          | 1,24,539.00                |
| <b><u>GUIDANCE CLASS</u></b>      |                            |
| Central Bank of India             | 12,71,907.76               |
|                                   | <b><u>42,45,248.45</u></b> |

## Schedule

**SCHEDULE - K****DETAIL OF FIXED ASSETS**

| S. No.                    | Particulars                                    | Balance<br>as on<br>01.04.2016 | Additions<br>during<br>the year | Sale/<br>Transfer<br>Written-off | Balance<br>as on<br>31.3.2017 |
|---------------------------|--|--------------------------------|---------------------------------|----------------------------------|-------------------------------|
| <b>DELHI STATE CENTRE</b> |  |                                |                                 |                                  |                               |
| <b>I</b>                  | <b>Land and Building</b>                       |                                |                                 |                                  |                               |
|                           | Land   | 9,92,373.00                    |                                 |                                  | 9,92,373.00                   |
|                           | Gardener's Room                                | 81,422.00                      |                                 |                                  | 81,422.00                     |
|                           | Cemented Floor for Catering (Lawn)             | 97,558.00                      |                                 |                                  | 97,558.00                     |
|                           | Cemented Road                                  | 7,23,750.00                    |                                 |                                  | 7,23,750.00                   |
|                           | Display Board :- LCD & Sign<br>Board Main Gate | 2,54,770.00                    |                                 |                                  | 2,54,770.00                   |
|                           | LED Sign Board                                 | 2,51,016.00                    |                                 |                                  | 2,51,016.00                   |
|                           | New Electric Panel & Line                      | 2,66,414.00                    |                                 |                                  | 2,66,414.00                   |
|                           | Display Board : Chairman & HS                  | 22,106.00                      |                                 |                                  | 22,106.00                     |
|                           | Water Tank                                     | 94,462.00                      |                                 |                                  | 94,462.00                     |
|                           | Name Display Board - Past CH & HS              | 10,600.00                      |                                 |                                  | 10,600.00                     |
|                           | Fixing of Tiles                                | 5,62,191.00                    |                                 |                                  | 5,62,191.00                   |
|                           | Canteen- Tempromy Structure                    |                                | 6,50,000.00                     |                                  | 6,50,000.00                   |
| <b>II</b>                 | <b>Furniture &amp; Fixtures</b>                |                                |                                 |                                  |                               |
|                           | Furniture & Equipments                         | 10,81,467.12                   | 26,662.50                       |                                  | 11,08,129.62                  |
|                           | Carpet   | 67,812.00                      |                                 |                                  | 67,812.00                     |
|                           | Furniture - Library                            | 22,932.00                      |                                 |                                  | 22,932.00                     |
| <b>III</b>                | <b>Plant and Machinery</b>                     |                                |                                 |                                  |                               |
|                           | Air-Conditioning Plant                         | 5,67,896.00                    |                                 |                                  | 5,67,896.00                   |
|                           | Air-Conditioners - Window/Split                | 8,06,978.45                    |                                 |                                  | 8,06,978.45                   |
|                           | Lift   | 19,18,722.00                   |                                 |                                  | 19,18,722.00                  |
|                           | EPABAX   | 83,207.00                      |                                 |                                  | 83,207.00                     |
|                           | Water Purifier                                 | 36,437.00                      |                                 |                                  | 36,437.00                     |
|                           | Fan  | 9,218.50                       |                                 |                                  | 9,218.50                      |
|                           | Emergency Light                                | 4,026.00                       |                                 |                                  | 4,026.00                      |
|                           | Fax Machine                                    | 16,000.00                      |                                 |                                  | 16,000.00                     |
|                           | Telephones                                     | 6,000.00                       |                                 |                                  | 6,000.00                      |
|                           | Television Set                                 | 14,400.00                      |                                 |                                  | 14,400.00                     |



## Schedule

|                                   |                     |                    |                         |
|-----------------------------------|---------------------|--------------------|-------------------------|
| Refrigerator                      | 18,300.00           |                    | 18,300.00               |
| Geyser & Room Heater              | 30,147.00           | 3,375.00           | 33,522.00               |
| Taperecorder & Amplifier          | 13,680.00           |                    | 13,680.00               |
| Mike: Cordless & Coller Mic       | 12,550.00           |                    | 12,550.00               |
| Grass Cutter Machine              | 43,000.00           |                    | 43,000.00               |
| LCD projector                     | 2,90,563.00         |                    | 2,90,563.00             |
| LCD TV Samsung                    | 28,100.00           |                    | 28,100.00               |
| Microwave Oven                    | 4,000.00            |                    | 4,000.00                |
| Fire Extinguisher                 | 22,750.00           |                    | 22,750.00               |
| Projection Screen                 | 12,930.00           |                    | 12,930.00               |
| Digital Note Pad                  | 9,991.00            |                    | 9,991.00                |
| Fire Detector Alarm               | 18,375.00           |                    | 18,375.00               |
| Stablizer                         | 7,500.00            |                    | 7,500.00                |
| Submersible Pump                  | 15,754.00           |                    | 15,754.00               |
| Monoblock Pump                    | 14,058.00           |                    | 14,058.00               |
| Water Cooler - Bluestar           | 34,413.00           |                    | 34,413.00               |
| Cooler-Library                    | 4,400.00            |                    | 4,400.00                |
| D G Set                           | 5,45,000.00         |                    | 5,45,000.00             |
| <b>IV Computers</b>               |                     |                    |                         |
| Computers-Printers                | 75,800.00           | 42,700.00          | 1,18,500.00             |
| Computers                         | 3,42,900.00         | 85,000.00          | 4,27,900.00             |
| Computers-UPS                     | 29,989.00           |                    | 29,989.00               |
| Computer-Laptop                   | 60,000.00           | 69,300.00          | 1,29,300.00             |
| Computer Furniture                | 8,900.00            |                    | 8,900.00                |
| Computers & Software - Library    | 54,150.00           |                    | 54,150.00               |
| <b>GUIDANCE CLASSES</b>           |                     |                    |                         |
| <b>I Furniture &amp; Fixtures</b> |                     |                    |                         |
| Almirah                           | 12,936.73           |                    | 12,936.73               |
| Black Board                       | 27,841.20           |                    | 27,841.20               |
| Furniture                         | 50,850.00           |                    | 50,850.00               |
| Water Machine                     | 36,937.00           |                    | 36,937.00               |
| Air conditioner                   | 42,408.00           |                    | 42,408.00               |
| Lockers                           | 8,872.00            |                    | 8,872.00                |
| Chairs                            | 13,754.00           |                    | 13,754.00               |
| <b>TOTAL</b>                      | <b>98,82,607.00</b> | <b>8,77,037.50</b> | <b>- 1,07,59,644.50</b> |

Schedule Forming Part of the Financial Statement

## Schedule forming part of the financial statement for the year ending 31st March 2017

### *Schedule - L*

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 1st April, 1999. But, regarding the assets purchased before 1st 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 dated April 25, 2017.

#### 2. Notes to accounts

i) 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.

ii) 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

- iii) The Canteen - Temporary Structure shown in the Fixed assets (Sch.-K) 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.
- iv) Previous year figures are regrouped/ re-arranged wherever necessary.

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

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

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

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

Place : New Delhi  
Date : 26.06.2017

Schedule of Fixed Asset annexed to and forming part of Balance Sheet

## SCHEDULE - 1

## Schedule of Fixed Assets annexed to and forming part of Balance Sheet as at 31st March, 2017

| ASSETS   | Cost   |   |   |  |
|--|--|---|---|--|
|  | Cost at 1st April, 2015  | Additions   | Sales/Disposal or Adjustment  | Cost as at 31st March, 2016  |
| <b>1. Freehold :</b>                                       |  |   |   |  |
| 1) Freehold land   |  |   |   |  |
| 2) Own Building  |  |   |   |  |
| <b>Leasehold :</b>   |  |   |   |  |
| 1) Leasehold Land  | 9,92,373.00  |   |   | 9,92,373.00  |
| 1) Own Building  | 20,97,875.00   | 6,50,000.00   |   | 27,47,875.00   |
| <b>Gifted/Free occupancy :</b>                             |  |   |   |  |
| 1) Gifted / Free Land                                      |  |   |   |  |
| 2) Own Building  |  |   |   |  |
| 2 Computer System  | 5,17,589.00  | 1,97,000.00   |   | 7,14,589.00  |
| 3 Data Entry System  | 54,150.00  |   |   | 54,150.00  |
| 4 Furniture & Equipment etc.                               | 13,23,402.05   | 26,662.50   |   | 13,50,064.55   |
| 5 Air Conditioners   | 14,17,282.45   |   |   | 14,17,282.45   |
| 6 Electric Installation                                    | 10,16,213.50   | 3,375.00  |   | 10,19,588.50   |
| 7 Lift   | 19,18,722.00   |   |   | 19,18,722.00   |
| 8 D G Set  | 5,45,000.00  |   |   | 5,45,000.00  |
| 9 Building under construction/<br>Capital Work in Progress |  |   |   |  |
| <b>Total :</b>   | <b>98,82,607.00</b>  | <b>8,77,037.50</b>  | <b>-</b>  | <b>1,07,59,644.50</b>  |
| <b>For Cress checking reference</b>                        | The above total figures will equal to last year closing Fixed Assets figures as reflected in Balance sheet 31.3.2016 | The above total additions figures will to total of <b>Annexure - IV</b> | The above total deletion figure will equal to total of <b>Annexure-IV</b> | The above total figures will equal to this year closing Fixed Assets figures as reflected in Balance sheet 31.3.2017 |

**Note :** Depreciation will be provided at Headquarter level.

## Cash Flow Statement

## Cash Flow Statement for the Year Ended 31st March, 2017

| Particulars  | (Amount in Rupees) |                      |                |                       |
|--|--------------------|----------------------|----------------|-----------------------|
|  | 2016-2017          |                      | 2015-2016      |                       |
| <b>A. Cash Flows from Operating Activities</b>                       |                    |                      |                |                       |
| Net surplus as per Income & Expenditure A/c                          |                    | 14,36,028.70         |                | (8,27,358.29)         |
| <b>Adjustments for :</b>   |                    |                      |                |                       |
| Depreciation and Amortisation  | -                  |                      | -              |                       |
| Interest on savings account  | (1,13,727.00)      |                      | (84,023.00)    |                       |
| Interest on Investments  | (1,34,656.00)      | (2,48,383.00)        | (3,39,492.81)  | (4,23,515.81)         |
| <b>Operating surplus before Working Capital Changes</b>              |                    | <b>11,87,645.70</b>  |                | <b>(12,50,874.10)</b> |
| (Increase)/Decrease in Inventories                                   | 3,600.00           |                      | 34,459.00      |                       |
| (Increase)/Decrease in interest accrued on investments               | (1,43,179.00)      |                      | 1,85,729.19    |                       |
| (Increase)/Decrease in Sundry Receivables                            | 4,85,276.00        |                      | (19,57,192.00) |                       |
| Increase/(Decrease) in Current Liabilities & Other Provision         | 4,59,499.00        |                      | (19,41,018.20) |                       |
| (Increase)/Decrease in Loans & Advances                              | -                  | 8,05,196.00          | -              | (36,78,022.01)        |
| <b>Net Cash from/used in operating activities</b>                    |                    | <b>19,92,841.70</b>  |                | <b>(49,28,896.11)</b> |
| <b>B. Cash flows from Investing Activities</b>                       |                    |                      |                |                       |
| Acquisition of Fixed Assets including Capital Work in Progress (Net) | (8,77,037.50)      |                      | (76,820.00)    |                       |
| (Acquisition)/Sale of Investments                                    | -                  |                      | 40,00,316.00   |                       |
| Interest on Investments  | 1,34,656.00        |                      | 3,39,492.81    |                       |
| Interest on savings account  | 1,13,727.00        |                      | 84,023.00      |                       |
| Income from Earmarked Funds Investments (Net of Payments) received   | 9,038.00           |                      | 29,361.00      | -                     |
| Donation for Building Fund   | -                  |                      |                |                       |
| <b>Net Cash from Investing Activities</b>                            | -                  | <b>(6,19,616.50)</b> |                | <b>43,76,372.81</b>   |
| <b>C. Cash flows from Financing Activities</b>                       |                    |                      |                |                       |
| Donation received  | 2,08,000.00        | 2,08,000.00          |                |                       |
| <b>Net Increase/Decrease in Cash equivalents</b>                     | -                  | <b>15,81,225.20</b>  |                | <b>(5,52,523.30)</b>  |
| <b>Cash &amp; Cash equivalents at the beginning of year</b>          | -                  | <b>26,64,023.25</b>  |                | <b>32,16,546.55</b>   |
| <b>Cash &amp; Cash equivalents at the end of year</b>                | -                  | <b>42,45,248.45</b>  |                | <b>26,64,023.25</b>   |

**Note :**

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

As per our report of even date attached

For **Chhabra Prasad & Co.**  
Chartered AccountantsPlace: New Delhi  
Date: 22.06.2016Sd/-  
**Praveen Kr. Singh**  
(Honorary Secretary)Sd/-  
**Devendra Gill**  
(Chairman)Sd/-  
**Sanjeev Chhabra**  
FCA, Prop.

Executive Committee

## Executive Committee Delhi State 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  |

### Executive 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 P 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 |





# The Institution of Engineers (India)

## DELHI STATE CENTRE

“Engineers Bhawan”

Bahadur Shah Zafar Marg, New Delhi - 110002

Ph. : +91-11-23379052, 23379948 • Fax : +91-11-23370489

E-mail : [ieidsc1@gmail.com](mailto:ieidsc1@gmail.com), [delhisc@ieindia.org](mailto:delhisc@ieindia.org)

Website : [www.ieidsc.in](http://www.ieidsc.in)

## Headquarters

8, Gokhale Road, Kolkata-700 020

Ph. : +91-33-22238311 / 14 / 15 / 16 / 34 • Fax : +91-33-22238345

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

