



The Institution of Engineers (India)

Delhi State Centre

ACETEMPERS NEWS

VOL. 3 • Issue 2 • June 2009

Chairman
Prof. D. S. Varma

Editor
V. K. Gupta

Hony. Secretary
Dr. H. G. Kamble

From the Desk of Chairman



Dear Members,

“The Institution of Engineers (India) receives full membership of EMF”

The Institution of Engineers (India) has been conferred the membership of the **Engineers Mobility Forum (EMF)** at its Coordination Committee Meeting in Kyoto, Japan during June 15–19, 2009. This membership takes The Institution of Engineers (India) into the global umbrella group of Engineering Institutions from 14 countries namely UK, USA, Canada, South Africa, New Zealand, Hong Kong, Malaysia, Australia, Japan, Sri Lanka, Ireland, South Korea, Singapore, Chinese Taipei, who are in the selected band of EMF.

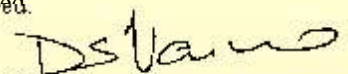
The Institution of Engineers (India) pursued its effort for membership since 2001 and received its provisional membership in 2003. IEI was required to put in place appropriate systems and procedures for registration of engineers as per the norms laid down by EMF. This is a unique privilege to IEI to represent India at EMF and thereby open the opportunity for millions of Engineers with Indian Qualification to be certified and registered in the International Register of EMF.

The Institution of Engineers (India) will maintain the India portion of the International Register of EMF. IEI got this membership only after it had put in place all the facilities for registration and got all its systems and procedures verified by International mentors from other EMF member countries.

With its experience to working as per the system of EMF, The Institution of Engineers (India) will launch campaign to let Indian Engineers appear for the test and qualify for EMF registration. With this registration, the 14 other Member countries will accept the qualification and practical experience of Indian Engineers to work in other countries.

The recognition by IEI will assist to push “Engineers Bill” vigorously, for regulating engineering profession in India.

This is the highest service to the Engineering Fraternity, and I hope that they will be benefitted.


(Prof. D.S. Varma)
Chairman

From the Desk of Honorary Secretary



Dear Members,

I have a privilege to bring the latest edition ACETEMPERS NEWS of The Institution of Engineers (India), Delhi State Centre before you.

During the last six months, we have organized series of programmes on diversified topics. The details of the same are mentioned in this edition alongwith plan for the proposed activities. It has been our endeavor to provide the best possible services to our esteemed members. In this regard, we have ensured to get involvement of all members, attached to the centre, in various activities through email, by postage and/or through website. Kindly intimate us about your email if you had not given it earlier so as to ensure receipt of continuous communication from us.


The forms of membership have been revised to provide for photograph on the application and supply of Photo Identity Card to all Corporate Members at an additional fee Rs. 200/- with effect from 01 July 09. The revised form can be downloaded from website www.ieindia.org with effect from 01 April 09. The bank draft made on & after 01 July 09 for entry level membership of AMIE/MIE/FIE are to be made as per the rate given below:-

Grade	DD amount
Fellow	Rs. 3,900/- + Rs. 200/- = Rs. 4,100/-
Member	Rs. 2,900/- + Rs. 200/- = Rs. 3,100/-
Associate Member	Rs. 2,500/- + Rs. 200/- = Rs. 2,700/-

Also, Chartered Engineers Certificate will be issued @ Rs. 2000/- w.e.f. July 01, 09.

I request you to circulate this information to all concerned.

I will be obliged to receive any suggestion for the improvement of this newsletter.


(Dr. H.G. Kamble)
Honorary Secretary

All India Seminar on “ Safety & Toxicity in Food Products”

The Institution of Engineers (India), Delhi State Centre organized Two-days All India Seminar on “Safety & Toxicity in Food Products” during January 9–10, 2009. The seminar was supported by the Chemical Engineering Division Board; Safety & Quality Forum and Avinash Society.

Welcoming the guests, Prof. D S Varma, Chairman, the Delhi State Centre mentioned that global food Industry is changing their entire portfolio to bring about innovations and provide a wide range of choices to the consumers in the areas related to health, nutrition, tastes, convenience, shelf life etc. & the Indian Food Processing sector has the potential to become an important processed food hub in the international market.

Shri R K Bagrodia, Convener of the Seminar apprised the audience about the significance of the seminar.

Shri Shiv Khera, Management Guru & CEO – 'Country First' inaugurated the Seminar and delivered the key-note address on the topic “Ensuring Food Safety: A Fundamental Right”. Shri Shiv Khera emphasized on the reasons of problems for ensuring food safety. He lamented on the current situation of malnutrition in India and mentioned that nearly 25% of women in India are suffering from malnutrition and stressed on reforms in the legal system. He mentioned that Fundamental Rights of SAFE FOOD for common mass can only be achieved by fixing responsibility and accountability of all stake-holders.

Dr. H G Kamble, Honorary Secretary, of the Centre conducted the programme and proposed the vote of thanks.

Technical Sessions

Total twelve lead papers on different topics covering a large section of the Food Safety, food processing industries and related topics from acknowledged experts in their respective field were discussed and deliberated in the four Technical Sessions as follows.

Technical Session I on the theme “Food Processing Industries: Perception & Challenges” was chaired by Shri R K Bagrodia. Dr. H G Kamble, Honorary Secretary, IEI - DSC was the rapporteur. The session witnessed presentation of papers - “Industry's Perspective on the challenges to the Food Processing Industries” by Dr Subodh Jindal, Former President, All India Food Processors' Association & MD, Excel Foods. “Perceptions & Challenges in Exports of Processed Food from India” by Dr R Mehta, Senior Fellow & Head Research – RIS.

Technical Session II on the theme “Legislation in Food Products” was chaired by Dr Harish Bhalla, General Secretary, Avinash Society. Shri R N Rajpoot, Immd. Past Honorary Secretary, IEI-DSC was the rapporteur.

Technical Session III on the theme "Food Safety & Health" was chaired by Dr S K Bhattacharya, Add. Director General, ICMR. Dr R.L. Gupta, Principal Scientist, Division of Agricultural Chemicals, IARI was the rapporteur.

Technical Session IV on the theme "Food Safety and Agricultural Products" was chaired by Shri Siraj Hussain, Jt. Secretary, Department of Food and Public Distribution. Shri Devendra Gill, DGM (Safety), DMRC was the rapporteur.



Valedictory Session

Hon'ble Shri Haroon Yusuf, Minister for Industry, Food & Civil Supplies Dept, Govt. of NCT of Delhi was the Chief Guest at the Concluding Session.

Prof. D S Varma, Chairman, The Institution of Engineers (India), Delhi State Centre delivered the welcome address. Ms. Bhavna Anand, President, Avinash Society presented a brief report on the seminar. Shri G J Gyani, Secretary General, QCI stressed on the urgent need to develop a mechanism by which all food processing industries can be involved to get their products and functioning verified and certified. Dr. H G Kamble, Honorary Secretary, IEI-DSC coordinated the programme.

Recommendations

- 1) Involvement of various stakeholders for changing emphasis from end product quality control to preventive measures throughout the food chain.
- 2) Preparation of customized guidelines for Good Agricultural Practices (GAP) relevant to local scenario.
- 3) Fixing clear responsibilities of Safety / Quality on all stakeholders viz, food producers, processors, traders and enforcing authority.
- 4) Emphasis on enforcement of regulations including strict vigilance of imported foods.
- 5) Strengthening of infrastructure on food safety including legal framework and support structures: Testing for quality, laboratory infrastructures, standards, regulations/enforcements.
- 6) Harmonization of national standards with codex standards and relevant science based standards relevant to Indian conditions.
- 7) Intensive training capacity building programme for rural based food producers and processors.
- 8) Organizing nation – wide awareness campaign for all stake holders regarding critical aspects of food safety, security and quality.

Training Workshop on "Earthquake Resistant Buildings"

The Centre organised One day workshop on "Earthquake Resistant Buildings" on February 3, 2009. The workshop was organized under the aegis of Civil Engineering Division Board and Safety & Quality Forum of IEI.

The programme started with the opening remarks delivered by Shri K B Rajoria, Workshop Co-ordinator. Prof. D S Varma, Chairman, The Institution of Engineers (India), Delhi State Centre welcomed the delegates, while Dr. H G Kamble coordinated the programme.

In the first session, presentations on "Earthquake and its effects on Structures and Foundations" by Dr. R K Bhandari, Geohazard Specialist and "Masonry Buildings and their retrofitting" by Prof. A S Arya, National Seismic Advisor, Govt. of India – UNDP, respectively were delivered.

Second session had presentation on "RCC Multistorey Buildings" by Dr. A K Mittal, Structural and Earthquake Consultants & Former Chief Engineer, CPWD and "Retrofitting of RCC Multistorey Buildings" by Prof. Yogendra Singh, Department of Earthquake Engineering, IIT Roorkee, respectively.

Post lunch panel discussion session witnessed deliberations among eminent panelist, viz, Shri S K Vij, Member (Engineering), Railway Board; Shri D S Sachdev, Director General, CPWD; Shri Mahendra Raj, Managing Director, Mahendra Raj Consultants (P) Ltd. and Shri S C Mehrotra, Structural Consultant, Unitech Limited.

Valedictory session started with the welcome address delivered by Prof. D S Varma, Chairman, IEI - DSC.

Shri K B Rajoria, Workshop Co-ordinator, in his address mentioned that efforts to disseminate knowledge regarding earthquake and its disaster have already initiated by different organizations and are bound to produce positive results. He also informed that realizing the need for documentation in this field, the Institution of Engineers (I) has decided to publish a book on "Rehabilitation and



Retrofitting of Structures" by compilation of valuable presentations in Seminar and conferences.

Shri O P Goel, Chairman, Safety & Quality Forum in his address mentioned that most of the casualties occur in any earthquake disaster, mainly due to collapse of the buildings and or due to lack of rescue and relief to the victims under the collapsed buildings.

Chief Guest of the session, Rear Admiral K O Thakare, NM, President, The Institution of Engineers (India) appreciated IEI - DSC for taking initiative in organizing the workshop on "Earthquake Resistant Buildings". He mentioned that this type of event will definitely enhance the awareness and competency of various stakeholders.

He emphasized that being the oldest and largest professional body of engineers in India, The Institution of Engineers (India) will have to play a vital and leading role in disseminating the knowledge in this field and mentioned that the Institution has taken the onus to initiative various programmes in this field.

Rear Admiral K O Thakare, NM gave "Certificate of Participation" to the delegates in the Valedictory session.

Dr. H G Kamble, Honorary Secretary, IEI-DSC coordinated the programme and proposed the vote of thanks.

Pride for Delhi State Centre - IEI

It's a matter of great pleasure for The Institution of Engineers (India), Delhi State Centre to know that following two members have qualified "Indian Engineering Services Examination" for the year 2008.

- *Shri Rajveer Singh - AM 092712-3*
- *Shri Rampal Singh - AM 094676-4*

25th Maj. Gen. Harkirat Singh Memorial Lecture

25th Maj. Gen. Harkirat Singh Memorial Lecture was organized on April 07, 2009. Maj. Gen. R K Sanan, Commander, Headquarters, Technical Group EME, the Chief Guest, delivered the lecture on the topic “Technology Transition Management in the Indian Army”.

Welcoming the audience, Prof. D S Varma, Chairman, IEI - DSC spoke about major achievements of Maj. Gen. Harkirat Singh.

Delivering the lecture, Maj. Gen. R K Sanan spoke in detail on the new paradigm for management of technology transition in Indian Army, wherein HQ Technical Group EME through Army Technology Centre is incessantly striving to address the issue in an all – inclusive format.

Gen. Sanan in his lecture elaborated in detail the strategy adopted by the Indian Army has led to tremendous cost savings to the exchequer primarily because of the systems approach towards innovation and technology transition. The innovative techniques used have resulted in the increased utilization levels of the equipment and enhancing the confidence levels of the users. Consequently, the operational effectiveness of the



organisation in critical deployment areas has increased which has a direct implication on national security. ATC has been instrumental in making it possible for the technology to reach the users located in hostile terrain and far flung areas by conducting useful equipment and terrain specific cadres, thus resolving equipment related problems right at the doorstep.

Dr. H G Kamble, Honorary Secretary, IEI - DSC coordinated the programme and proposed the vote of thanks.

Technical Talk

Technical Talk was organized on April 24, 2009 at Institution's premises. On this occasion, Dr. A K Mittal, Former Chief Engineer, CPWD and Consultant, Mittal Structural and Earthquake Consultants was the Chief Guest, while Shri K Suresh Kumar, Principal/ M D, RWDI Consulting Engineers (I) Pvt Ltd delivered the talk on the topic “High Rise Building Boom in India: A Wind Consultant's Perspective”.

Welcoming the audience, Prof. D S Varma, Chairman, Delhi State Centre of The Institution of Engineers (India) mentioned the majority of the buildings during the last 3-4 years are high-rise buildings. If proper care is not taken in designing, high-rise buildings may pose various types of risks.

The talk by Shri K Suresh Kumar covered in detail the geometrical aspects of supertall buildings in view of wind force, advantages of wind tunnel studies. He lamented on the current scenario in high – rise buildings, since they are designed without carrying out detailed study of wind analysis. He also apprised about the relevance of wind engineering in IS codes like IS: 875 part 3, (1987). Concluding the talk, Shri Suresh stressed that there is an urgent need to make mandatory courses on



Wind Engineering at UG level, Organization of seminar for Consulting Engineers Awareness. Also, Code enforcements and making wind tunnel study imperative.

Dr. A K Mittal emphasized that wind tunnel study has become an imperative as an aspect of any building design. He expressed satisfaction over the recent developments in the area, since developers are taking this aspect very seriously in their new projects.

Dr. H G Kamble, Honorary Secretary, IEI-DSC coordinated the programme and proposed the vote of thanks.

World Telecommunication & Information Society Day 2009

The Institution of Engineers (India), Delhi State Centre and The Institution of Engineering & Technology (UK), Delhi Network jointly organized World Telecommunication & Information Society Day 2009 on 16th May 2009 at the Institution's Premises. On the occasion, Shri Satya N Gupta, Chief Regulatory Advisor, India and SAARC Region, BT Global Services was the Chief Guest and delivered the talk on the topic – “Emerging Applications of Next Generation Networks – Protecting Children in Cyberspace”.

Welcoming the audience, Prof. D S Varma, Chairman, IEI-DSC briefed about the World Telecommunication & Information Society Day.



Shri Satya N Gupta in his address briefed about the advantages of Next Generation Networks, that make use of best of both the world's Flexibility, Efficiency and Innovativeness of IP and QOS, Security, Reliability, Customer-friendly features of proven PSTN. Self-discipline / parental control by users; Self-regulation by service providers; Government control. He described that the Way forward – Independent

autonomous regulatory body for cyber content regulation, Awareness building are the main points for protecting children in cyberspace.

Dr. H G Kamble, Honorary Secretary, IEI-DSC coordinated the programme and proposed a vote of thanks.

World Environment Day 2009

The World Environment Day 2009 was organized on June 5, 2009 at the Institution's premises. Dr. B Sengupta, Former Member Secretary, Central Pollution Control Board was the Chief Guest of the function and delivered talk on the theme - "Major Environmental Issues in India and action points to Control Pollution and Green House Gas Emission". Dr. G S Yadava, Council Member, IEI & Former Chairman, IEI-DSC presided over the function.

Welcoming the audience, Prof. D S Varma, Chairman, IEI-DSC mentioned that World Environment Day is one of the principal vehicles through which the United Nations stimulates worldwide awareness of the environment and enhances political attention and action and IEI has been actively participating in this mission. He informed that the theme for World Environment Day 2009 is 'Your Planet Needs You- Unite to Combat Climate Change' and it reflects the urgency for nations to agree on a new deal at the crucial climate convention meeting in Copenhagen 'some 180 days' later in the year, and the links with overcoming poverty and improved management of forests.

Delivering the talk Dr. B Sengupta, Former Member Secretary, Central Pollution Control Board spoke in details

about the various facets of environmental concerns that are threatening the environmental scenario in India like Municipal Waste Water; Municipal Solid Waste; Respirable Suspended Particulate Matter (RSPM) Management; Fly Ash Management; Hazardous Waste Management; Bio Medical Waste Management; E-Waste Management; Hazardous Air Pollutants (HAP) in Chemical Industry Zone; Pollution From Small Scale Industries and Vehicular Pollution in Urban Areas. The talk focused in details on the various reasons of environmental concerns and action points needed to counter their impact.

The talk also covered in details about the various steps taken by Central Pollution Control Board to improve Air Quality in NCR area. Some of these measures are:- Industrial Pollution Control; Emission Reduction from Vehicles by introducing Stricter Norms; Vehicular Pollution Control and Alternate Fuel Use in NCR Delhi.

Delivering the presidential address, Dr. G S Yadava lamented on poor pollution control system in B Class cities. He stressed on the implementation of coercive measures to ensure pollution control. Dr. H G Kamble, Honorary Secretary, IEI-DSC coordinated the programme and proposed a vote of thanks.



Felicitation Function and Technical Lecture

The Centre organized Technical Lecture and Felicitation Function on March 17, 2009 at the Institution's premises. On this occasion, Shri S S Khurana, FIE, Chairman, Railway Board & Ex-officio Principal Secretary to the Govt. of India was the Chief Guest, while Dr. B P Mathur, Former Dy. Comptroller & Auditor-General; Addl. Secretary, Government of India delivered the lecture on the topic "A New Governance Paradigm-Reforming the Public Services". The main highlight of the event was the Felicitation of Shri S S Khurana for becoming Chairman, Railway Board & Ex-officio Principal Secretary to the Govt. of India w.e.f. February 2, 2009.

Prof. D S Varma, Chairman, IEI – DSC welcomed the guests.

Delivering the lecture, Dr. B P Mathur addressed on Emphasis on Rights and not on Duty, High emphasis on Job Security; High Degree of Centralization; Lack of Professionalism & Specialization; Outdated Rules & Procedures and Politicalisation of Services are some of the main reasons for poor governance system in India. He mentioned that from time to time Government has set up high level committees and commissions to suggest measures for reforming the public administration and laudable recommendations were made by such committees, but the same have remained largely unimplemented, which led to poor improvement in governance.

Dr. Mathur opined that the first imperative step in administrative reform is to correct the personnel management system, which imposes no accountability on public officials and is unchanged since independence. The lecture covered in

details on the suggestions to improve the governance performance. Some of the major suggestions were - Make Senior Appointments open to Competition and Contractual; Create Performance based Organization's (PBO's); Downsize the Bureaucracy; Bring Discipline in Government Service and Improve Productivity. Dr. Mathur emphasized that if India is to achieve rapid economic growth, banish poverty and illiteracy and become a middle income developed country in the foreseeable future. It needs to take radical decisions to revamp the public services and the State.



Chief Guest of the function, Shri S S Khurana in his address emphasized that in the current economic scenario, when countries are facing global meltdown and recession, engineers will have to play more active role in order to ensure the sustainable growth of industries & other sectors. He mentioned that job-cuts, cost-cutting, moderate growth, insufficient investments are some of the results of the global recession.

The Institution has to remain sensitive to the necessities of the immediate surroundings and provide an answer to the day-to-day puzzles of life by developing and disseminating appropriate technologies. The essence is to bridge the "Knowledge Divide" between the developed and developing countries.

Shri S S Khurana, FIE, Chairman, Railway Board & Ex-officio Principal Secretary to the Govt. of India was then felicitated.

Dr. H G Kamble, Honorary Secretary, The Institution of Engineers (India), Delhi State Centre coordinated the programme and proposed the vote of thanks.

FORTH COMING ACTIVITIES

- 16th Dr. S P Luthra Memorial Lecture delivered by Dr. S C Dutta Roy on July 27, 2009.
- Lecture on "Climate Change, Biodiversity and Food Security" delivered by Dr. Vandana Shiva on August 19, 2009.
- 42nd Engineers Day on September 15, 2009.
- Safety Convention 2009 during September 22-24, 2009 at New Delhi.

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