



IEI MSC NEWSLETTER

Monthly Newsletter of the Institution of Engineers (India), Maharashtra State Centre

Chairman : Shri. H. O. Thakare, FIE

Hon. Secretary : Shri. M. B. Dagaonkar, FIE

Editor : Mr. Amol Bora, FIE

We Wish
All Our Members, Readers, Advertisers And
Well-Wishers
A Very Happy & Prosperous New Year 2012 ...!

Did You Miss It....?

We had recently conducted a lecture in our centre, on the topic 'Ingenuous solutions to problems encountered in electrical control of process equipment' by Shri P.H. Thyagaraju, FIE, on the basis of the work done along with his colleagues Shri Y. Anandarama, Shri G. G. Vairalkar, Shri N.H. Tambe, Shri V.V. Patil and Shri N.D. Hadap at Bhabha Atomic Research Centre. Following is the brief about the content of the lecture.

Equipment maintenance activity is very crucial for a typical chemical / metallurgical plant working round the clock. When a problem is observed to repeat a number of times, it is a signal for need for modification in the system in order to avoid recurrence of the problem. Also, many a time an ingenuous idea generated at even operator / technician level might prove very handy to come out of the problem situation in minimum time. The solutions emerging from the plant-floor staff are purely from practical experience and would advantageously supplement the engineered solutions coming from the qualified engineers of the plant. Over a period of time there has been an accumulation of adequate experience of problem-solving, to an extent that it is felt sensible to compile and form a knowledgebase for future reference as well as for training the new electrical engineers. The lecture was an attempt to share a few of the useful solutions to practical electrical problems that were implemented over past couple of decades by Thyagaraju and his colleagues.

Engineers interested in sharing their knowledge in the area of electrical problem-solving may please get in touch with Shri Thyagaraju on his email id: thyaguph@rediffmail.com.

1

All India Workshop on Environmental Laws & Clearances for Construction Projects & High Rise Buildings on January, 6th & 7th 2012 at Mumbai.

Background:

The Stockholm Conference of 1972, convened by the UN, can be considered as the starting point for environmental legislations in India. The first law enacted was Water (Prevention and Control of Pollution) Act, 1974, after overcoming many statutory obligations. However this Act was not adopted by many States, but eventually fell in line and adopted when the parliament enacted Air (P & CP) Act, 1981. The Government, after realising that these provisions are not adequate, came out with Environment (Protection) Act, 1986, which is considered as an umbrella Act. This Act gave Government of India sweeping powers to regulate and control environmental pollution. The other Acts enacted by the Parliament are – The Forest (Protection) Act, 1980, The Wild Life (Protection) Act, 1972, The Public Liability Insurance Act, 1991, The National Environmental Tribunal Act, 1995, The National Environmental Appellate Authority Act, 1997, The Bio-Diversity Act, 2002 etc.

The Government of India took out many Notifications, under Environment (P) Act, 1986, to regulate environmental pollution, like Bio-Medical Wastes (Management and Handling) Rules, 1998; Hazardous Waste (Management and Handling) Rules, Municipal Solid Waste (Management and Handling) Rules, 2000; etc. The Environment Impact Assessment (EIA) notification was issued in 1994, making study of EIA for 30 categories of projects/ industries. In 2004 two more categories were added i.e. New Construction Projects and New Industrial Estates.

Workshop Objective:

This workshop is arranged to educate persons engaged in the field of various environmental clearances and compliances from SEAC/MoEF/ High Rise Committee. Experienced / Eminent faculty from the Environmental field have been

invited for the workshop. The workshop is expected to simplify the work of all concerned and will assist in preparing quality documents. It is expected to cover almost all practical aspects of environmental clearances and compliances including pollution control board requirements, procedure and forms etc. Large number of engineers, architects, planners, builders, developers and other stake holders can get an in-depth look into various aspects of Environmental Regulatory requirements.

Registration charges:

- 1) Members of IEI, IWWA, BAI, ICI, ISSE, IPA, PEATA etc - Rs.2,000/-
- 2) Non Members - Rs.2,500/-
- 3) Faculty - Rs.1,000/-
- 4) Students - Rs. 800/-

The registration charges includes tea, breakfast, working lunch and workshop kit. Payment can be made in cash at the Institutions office or by Cheque / Demand Draft drawn in favour of "The Institution of Engineers (India), Maharashtra State Centre."

Accommodation:

Limited beds available in the IEI, MSC Guest Rooms, on first-cum-first basis; booking by advance payment only.

Sponsorship :

Valued organisations and individuals are invited to join this unique event and sponsor for the cause of environment protection and better future.

Rs.1,00,000/- – Sponsors will be joint organisers and may put-up banners, leaflets, publications, 15 minutes presentation, 10 candidates complimentary.

Rs.50,000/- – Sponsors may put-up banners, distribute leaflets, 10 minutes presentation, 5 delegates complimentary.

Rs.25,000/- – Sponsors may put up banners, distribute leaflets, gift articles, 2 delegates complimentary.

For more details please contact :

Shri.S.M.Patil, Organising Secretary, on (M) 9820393134. For registration please contact the Centre's office on 23543650/23542943.



Lecture On
"Electricity Act, Rules & Safety" by Shri.P.L.Kulkarni on Friday, 13.01.2012 at 06.00 p.m. at Mumbai.

About the Lecture :

Power is today a basic need of every human being. It is the critical infrastructure on which modern economic activity is fully dependent. Only 55% of Indian households have access to electricity. Most of those who have access do not get

uninterrupted and reliable supply. In the era of globalisation it is essential that electricity of good quality is provided at reasonable rates.

The Electricity Act, 2003 seeks to bring about a qualitative transformation of the electricity sector through its paradigm approach. It seeks to create liberal framework of development for the power sector by distancing Government from regulation. The objectives of the Act are – to consolidate the laws relating to generation, transmission and distribution, trading and use of electricity generally for taking measures to conducive to development of electricity to all areas, rationalisation of electricity tariffs, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies, constitution of Central Electricity Authority, Regulatory Commissions, and establishment of Appellate Tribunals etc.

About the Speaker :

Shri.Prakash L. Kulkarni, B.E. (Elec.), D.B.M., A.M.I.E. Electrical Consultant & National Faculty, 39 years' experience in the Field of Electricity Act, Rules, investigation of accidents & fixing responsibility for violation of Electricity laws, giving decision in case of disputes between consumer and licensee, Court cases regarding electricity laws etc.

Two year's assignment with Reliance Infrastructure as an Advisor (Safety & Training), Visited London in 2002 to read a paper on "Statutory provisions & Electrical Safety" in an International seminar. Published a book on legal provisions and Electrical Safety in 2004. He is striving towards creating awareness in the minds of Engineers / Executives about the importance of Electricity laws, safety culture among the people by conducting safety audits and training programme.

Shri.Kulkarni has a passion for sharing of knowledge & experience for achieving ultimate safety. He has dispute cases of compensation to industry For production loss due to voltage failure by the Supply company. Liaison with Govt. and MERC for voltage regulation

Coordinator :

Shri.S.M.Patil, Convener, Environmental Engg. Divn and Hon. Jt. Secretary, IEI, MSC.

High Tea will be served. Registration is Free but Necessary.

For registration please contact the Centre's office on 23543650 / 23542943.



Lecture On
"Introduction to Safety in Construction" by Shri.K.R.Khudanpur on Tuesday, 20.01.2012 at 06.00 p.m. at Mumbai.

About the Lecture :

Construction is the most dangerous land-based work sector in Europe, after the fishing industry. In the European Union,

the fatal accident rate is nearly 13 workers per 100,000 as against 5 per 100,000 for the all sector average. In India on average one in every six workers get injury while working. Although the actual labour working in the industry cannot be estimated as many of them take employment on casual basis.

In the U.S. there were 1,225 fatal occupational injuries in the construction sector in 2001 with an incidence rate of 13.3 per 100,000 employed workers. For the same year the construction industry experienced 481,400 nonfatal injuries and illnesses at a rate of 7.9 per 100 full-time workers in the industry. Construction has about 6% of U.S. workers, but 20% of the fatalities - the largest number of fatalities reported for any industry sector. Hong Kong is also notorious for her high construction accidents rates. Although the accidents rate dropped from 350 per 1000 workers in mid 1980 to 60 per 1000 workers in 2007, it still accounted for nearly 20% of all the industrial accidents in Hong Kong.

The problem is not that the hazards and risks are unknown, it is that they are very difficult to control in a constantly changing work environment.

About the Speaker :

Shri.K.R.Khudanpur is an eminent engineer with more than six decades of experience in the various fields of civil engineering. A graduate of College of Engineering, Pune, he started career with State Public Health Engineering Department. Later on he worked with M/s. Buncan Stratton & Co. Ltd on specialized projects of sewerage, sewage treatment and gate erections of dams. He had a good stint with ACC Ltd, Mumbai in construction and maintenance of cement projects. On retirement he worked with National Safety Council, CBD Belapur as advisor and faculty in their Safety Training Programmes.

Coordinators :

Shri.S.M.Patil, Convener, Environmental Engg. Divn and Hon. Jt. Secretary, IEI, MSC and Dr.H.M.Raje, Convenor, Civil Engg. Divn.

High Tea will be served. Registration is Free but Necessary.

For registration please contact the Centre's office on 23543650 / 23542943.

Seminar on "Fibre Reinforced Concrete Industrial Flooring"

Seminar on "Fibre Reinforced Concrete Industrial Flooring" organised by Indian Concrete Institute, IIT Madras, Bekaert and IEI, Maharashtra State Centre will be held on 09th January, 2012 at 09.30 a.m. uptill lunch at The Institution of Engineer's Hall , 15, Haji Ali Park, Near Race Course, K. Khadye Marg, Haji Ali, Mahalaxmi, Mumbai - 400034 by invitation only. Please register on email : icimumbai@yahoo.com

OBITUARY



Shri.A.B.Karweer was born on April 3rd, 1947. He qualified as BE (Civil) & Diploma in Operation Management from Jamanalal Bajaj Institute of Management, Mumbai he Joined the rank of Jr. Engineer in 1971 in City & Industrial Development Corporation (CIDCO) of Maharashtra & rose to the rank of chief Engineer & General Manager (Technical) in the Corporation from August 2002 till retired in 2005. Being Principle Head of the Engineering Department of this premier City & Industrial Development Corporation of Maharashtra Ltd involved in planning and development of housing and infrastructure in Navi Mumbai with state-of-the-art technologies & Leading a team of 400+ engineers of various levels. During his service he worked on various Irrigation Dam Projects, Railway Projects, Infrastructure Development Project, Contract Management System, and Management Control System in Maharashtra, Madhya Pradesh, and Karnataka & Tamilnadu.

He was Fellow Member IEI, Member ACI and IRC & ICI. Attended International Workshop on Innovative Urban Management at Australia and Bangkok in May 2001 organized by HUDCO & Delft University, Netherlands for sharing experience of Land Development and Innovative Flexible Road Technology.

On Social front he was CIDCO nominee to the Managing Committee of Navi Mumbai Sports Association, having more than 11000 members. & Trustee of Balaji Social & Cultural Complex, Nerul, Navi Mumbai. He won many awards – MC Bauchemi award, Jewel of Navi Mumbai award & Nagrik Seva Samiti award etc.

He was founder member of IEI Belapur Local Centre & it his sincere & dedicated efforts that IEI has 1000 Sq meter of Land with 5 stories building with all required infrastructures like Hall, Conference Room, Guest House & Library etc. He was Secretary of IEI Belapur from 1994 – 96 & 1996-98 & Chairman from 1998 - 2000 He was very actively involved in the activities of this Centre & his action & participation were well received and appreciated by the Institution. Till he was alive we always seek his guidance in running the IEI Belapur Centre. IEI Belapur Centre will be really indebted to him for his valuable contribution to the Centre.

He left for heavenly abode on 01-12-2011. We pray the Almighty for resting his soul in peace and granting fortitude to his bereaved family to bear this irreparable loss.

**WELCOME TO NEWLY ENROLLED /
UPGRADED / TRANSFERRED MEMBERS
OF MAHARASHTRA STATE CENTRE**

Membership Grade : Fellow

Mr.N.Jain	Mr.Pradeep M.V.
Dr.G.S.Kulkarni	Mr.S.P.Mahulikar
Mr.P.R.Mahapatra	Dr.N.Narve
Mr.B.P.Bhagwat	Mr.M.I.M.U.Shaikh
Mr.S.Basu	Vadm
Dr.S.D.Gorantiwar	(Retd.)N.M.Nadaph
Mr.H.S.Vadalkar	Mr.R.Sharma
Mr.S.P.S.Chandel	Dr.R.R.Arakerimath
Mr.S.G.Kandul	Mr.S.S.P.Patil
Gp.Capt.Chandrashekhar	Mr.P.D.Bhatt
K.S.	Mr.P.Kumar

Membership Grade : Member

Mr.M.K.Rao	Mr.Y.N.Rao
Mr.S.Kumar	Mr.R.K.Dewal
Mr.S.B.Bothra	Mr.S.R.Patil
Mr.A.A.A.Shaikh	Ms.P.M.Kakde
Mr.S.C.Nimkar	Mr.U.S.Vajre
Mr.B.S.Shiradon	Dr.M.S.Ballal
Ms.S.C.Patil	Mr.P.A.Dixit
Mr.M.U.Kale	Mr.A.Sangra
Mr.G.D.Teli	Ms.A.P.Deshmukh
Mr.G.R.Menon	Mr.K.D.Joglekar
Mr.J.N.Menon	Mr.S.M.Hase
Mr.G.V.Pokale	Mr.T.P.Katekar
Mr.S.K.Sabbinwar	Mr.M.J.Lal
Mr.A.J.Wani	Dr.A.P.Kulkarni

Mr.R.G.Bhawsar	Ms.V.S.Joshi
Mr.J.V.Mulay	Mr.N.K.Lautre
Mr.P.A.Bhondave	Mr.S.N.Shete
Mr.A.R.Jinde	Ms.Y.M.Pawar
Mr.V.B.Sabnis	Mr.M.Y.Oak
Mr.K.G.Maloo	Mr.P.K.Gupta
Mr.V.Dhobe	Mr.Abhayakumar

Membership Grade : Associate Member

Mr.P.Kumar	Mr.A.R.Madane
Mr.Dinku	Mr.S.S.Gawande
Mr.S.S.Dhanwe	Mr.S.B.Jadhav
Mr.P.P.Jahagirdar	Mr.M.S.Endait
Mr.S.M.Kakde	Mr.H.B.Parikh
Mr.A.Narasimhan	Mr.N.N.Prabhune
Mr.N.S.Nawandar	Mr.M.P.Bhelande
Mr.S.K.Chandrika	Mr.S.K.K.Gaikwad
Mr.V.V.Matkar	Ms.A.S.Mandke
Mr.R.N.Dadga	

Membership Grade : Associate

Mr.N.S.Gorhe	Mr.U.A.Shinde
Mr.P.V.Shirsat	Mr.S.V.Wagh
Mr.S.A.Shinde	Mr.P.D.Kulkarni
Mr.S.B.Hebli	Mr.Arunkumar R.
Mr.S.S.Ladhe	Mr.A.Z.A.G.N.B.Khan
Mr.T.V.Mane	Mr.A.K.Gajbhiye
Mr.R.R.Soudagar	Mr.G.G.Khirao
Mr.P.S.K.Lad	Mr.R.V.Shete
Mr.S.A.Bhad	Mr.P.R.Mirge
Mr.S.B.Bose	Ms.M.Purohit

Posted on 28th & 29th of previous month, at Mumbai Patrika Channel Sorting Office, Mumbai - 1.
R.N. : MAHENG/2006/17563 Regd. No. MH/MR/WEST/209/2009-2011

If undelivered please return to :

The Institution of Engineers (India)

MAHARASHTRA STATE CENTRE

15, Haji Ali Park, K. Khadye Marg, Mumbai-400034.

Tel. : 23543650, 23542943; Fax : 23542942

E-mail : ieimsc@gmail.com Web : www.ieimaharashtra.org

eGroup : IEI-MaharashtraStateCentre-subscribe@yahoogroups.com

Printed by Col. Sharad K. Pawar (Retd.) Imm. Past Hon. Secretary, published by Col. Sharad K. Pawar (Retd.), Imm. Past Hon. Secretary, on behalf of The Institution of Engineers (India), Maharashtra State Centre, 15, Haji Ali Park, K. Khadye Marg, Mahalaxmi, Mumbai-400034; and printed at Bensen Printers, 15, Pandit Niwas, S. K. Bole Road, Dadar. Mumbai 400028 and published at The Institution of Engineers (India), Maharashtra State Centre, 15 Haji Ali Park, K. Khadye Marg, Mahalaxmi, Mumbai-400034. Editor : Mr. Amol Bora, Indrashanti, 1137/12, Rege Path, Off F. C. Road, Model Colony, Shivajinagar, Pune-411016.