

9. _____
10. _____

A Draft / cheque for Rs. _____/- drawn in favour of "The Institute of Energy Management" payable at Hyderabad is enclosed herewith.

Sig. of Sponsoring Authority

Name : _____

Designation : _____ Date : _____

NOTE :

Conference Duration : 3 Days (June 17, 18 & 19, 2005)

Fee : Rs. 7,900/- per participant for Industries

Rs. 6,800/- per participant for Defence Establishments, Govt. Research Laboratories & Govt. Service Institutions

Rs. 5,700/- per participant for Educational Institutions (The above fee covers the expenses of lunch, refreshments, and programme materials.)

Bank Charges Extra : Please add Rs. 100/- per participant for out of Hyderabad cheques

Last date for Regn. : June 7, 2005

REGISTRATION

Nominations on the enclosed registration form, may be forwarded preferably on or before, June 7, 2005 to:

The President,

The Institute of Energy Management

Plot No. 2-1-52/7,
Venkateswara Colony,
Surya Nagar, Ring Road, Uppal,
Hyderabad – 500 039

Phone : (040) 27203613, 27202831, 27207700

Fax : (040) 27203613, 27207700

E-mail : vbtrust@yahoo.com or iem@rediffmail.com

BOARDING & LODGING

Participants are requested to make their own arrangements for boarding & lodging, this being a non-residential programme. A list of hotels will be sent to the participants on receipt of the nominations.

COMMUNICATIONS / REPLIES

To avoid postal delays, the nominations may please be communicated by E-mail / Fax / Phone in advance, followed by correspondence for registration through courier service / speed post.

EXPERTS LEADING THE CONFERENCE

Shri Agashe P.G. : Consultant,
(Ex – Sr. Dy. Gen. Manager,
Bharat Heavy
Electricals Ltd.),
Hyderabad.

Shri Birinchi M.V.S. : Ex-Director - Technical,
Andhra Pradesh Transmission
Corp. Ltd.,
Hyderabad.

Shri Murty K.S.N. : Director,
Vajira Hotline Power
Services (P) Ltd.,
(Ex – Chief Gen. Mgr.,
A.P. Transco), Hyderabad.

Shri Nayar T.R.H. : Director,
Apex Electricals Ltd.,
Baroda.

Shri Pradeep M. Nirgude : Engineering Officer,
Central Power Research
Institute, Hyderabad.

Shri Ramesh B.S. : Jt. Director, High Power Lab,
Central Power Research
Institute,
Bangalore,

Shri Seshadri R. : Dy. General Manager,
Larsen & Toubro Ltd.,
Mysore.

Shri Sundar Rao J. : Advisor (Indian Operations),
Advanced Control
Systems, USA,
Hyderabad.

Shri Shah R.S. : Director – Tech.,
EMCO Ltd.,
Mumbai.

Shri Shastry P.V. : Consultant,
(Ex – Dy. Gen. Manager,
Bharat Heavy
Electricals Ltd.),
Hyderabad.

Shri Subrahmanyam J.B.V. : Manager,
Global Energy Consulting
Engineers, Hyderabad.

Shri Suryanarayana D. : Ex - General Manager,
Bharat Heavy Electricals Ltd.,
Hyderabad.

CONVENER

Shri Narisetti. S : President,
The Institute of Energy
Management,
(Ex – Director,
National Productivity
Council), Mumbai.



**Announces a
3 Day Conference on**

**DEVELOPMENTS IN
ELECTRICAL TECHNOLOGY**

Theme

**CONDITION MONITORING &
PERFORMANCE IMPROVEMENT OF
TRANSFORMERS & SWITCHGEAR**

(June 17, 18 & 19, 2005)

At

**HOTEL SAI PRAKASH
HYDERABAD**

Organised by

**VISHWA BHARATI EDUCATIONAL &
CHARITABLE TRUST**

**THE INSTITUTE OF ENERGY
MANAGEMENT, HYDERABAD**

ABOUT THE CONFERENCE

The transformers and switchgear have vital bearing on uninterrupted supply of electrical power. Monitor their condition and improve performance for minimising maintenance costs and enhancing industrial productivity.

Interruptions in power supply to the industrial processes, will adversely affect production and productivity. Electrical transformers and switchgear are vital equipment in the power supply system, but unfortunately receive less attention. The unexpected failure of these equipment can disrupt the power supply, with consequential losses due to production stoppages, idle manpower etc. Breakdown repairs and un-needed maintenance, also add to the increasing operation and maintenance costs, with detrimental effects on the profitability of the industry.

Condition monitoring techniques help in knowing the defects and pitfalls well in advance and help in taking remedial measures, to avoid unexpected breakdowns and to improve the performance and reliability of equipment. More and more attention is now being paid to continuous condition monitoring of equipment to detect malfunctions of equipment on-stream. It is imperative that the industries need to minimise repair / replacement / maintenance costs, and maximise industrial production and productivity, thro' condition monitoring and performance improvement of vital equipment.

This 3 Day Conference is being organised by IEM / VB Trust, with a view to identify, analyse and discuss the practical problems of industry in enhancing the reliability and efficiency of transformers and switchgear equipment of the electrical system, and to evolve strategies for optimum performance with least maintenance / repair / downtime costs. The conference will highlight the latest technologies in the condition monitoring of these electrical equipment, which will help in ensuring uninterrupted electrical power supply to industrial processes.

CONFERENCE CONTENTS

- Concepts of condition monitoring and condition assessment
- Development of condition monitoring programmes
- On-line condition monitoring systems
- Power and Distribution Transformers
 - Efficient operation, loss reduction and energy conservation
 - Mechanism of faults and failure analysis
 - Measures for enhancing life and failure reduction
 - Present practices of transformer diagnostics
 - Recovery voltage analysis
 - Partial discharge analysis
 - Frequency response analysis
 - Wavelet response analysis
 - Dissolved gas analysis
 - 3-D acoustic emission monitoring of power transformers
 - Condition monitoring of paper / oil insulation and residual life estimation
 - Performance and reliability improvement
- Switchgear equipment
 - Monitoring the condition of MV switchgear equipment
 - Condition monitoring of HV and EHV circuit breakers
 - Diagnostic testing
 - Hazards and safety in maintenance
 - Fault detection and diagnosis
 - Performance and reliability improvement
 - Protection schemes for electrical system – modern trends
 - Emerging trends in condition monitoring of switchgear equipment
- Switchyard / Substation Maintenance
 - On-line repair of hotlines and maintenance
 - Substation automation
 - Safety and reliability enhancement in switchyards
- Case studies on condition monitoring of transformers and switchgear equipment, reliability and performance optimisation, residual life assessment, life extension measures etc.

PAPER CONTRIBUTION

Eminent persons will lead the conference by presenting papers. Papers are also invited from organisations interested in the subject, in duplicate by May 20, 2005. The papers should relate to the theme of the conference, highlighting the aspects of condition monitoring and performance improvement of transformers and switchgear equipment, life enhancement, cost reduction in maintenance, developments in the field etc. Case problems preferred. If paper is accepted, 50% of participation fee will be waived for one participant, presenting the paper.

PARTICIPATION & SPECIFIC PROBLEMS

The conference is designed for electrical engineers, managers & officers concerned with electrical system operation and maintenance, and others interested in the subject. The participants may preferably send their specific problems in advance, along with participation intimation, for the guidance needed from experts.

CONFERENCE DATES

June 17, 18 & 19, 2005 - Three Days

TIMINGS

0900 – 1715 Hrs.

VENUE:

Hotel Sai Prakash,
Abids-Nampally Station Road,
Hyderabad – 500 001
Ph : (040) 24611726

FEES

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Govt. Research Laboratories & Govt. Service
Institutions

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"REGISTRATION FORM"

The Institute of Energy Management

Plot No. 2-1-52/7, Venkateswara Colony, Surya Nagar,
Ring Road, Uppal, Hyderabad - 500 039.



3 Day Conference on
**DEVELOPMENTS IN
ELECTRICAL TECHNOLOGY**

Theme
**CONDITION MONITORING &
PERFORMANCE IMPROVEMENT OF
TRANSFORMERS & SWITCHGEAR**
(June 17, 18 & 19, 2005)

Venue :

Hotel Sai Prakash, Nampally Station Road,
Abids, Hyderabad - 500 001.

Name of Organisation _____

Mailing address _____

Phone _____ Fax _____ STD _____

E-mail _____ Gram _____

Participant's Name _____ Designation _____

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