

WELCOME TO ENFUSE PRESENTATION

ENERGY AND FUEL USERS' ASSOCIATION OF INDIA

ENFUSE

ENERGY AND FUEL USERS' ASSOCIATION OF INDIA

- ❖ LAUNCHED IN THE YEAR 1950
- ❖ SERVING INDIAN INDUSTRY FOR OVER 5 DECADES.

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

MISSION

- ❖ A VOLUNTARY & NON PROFIT ORGANISATION SEEKING TO MAXIMISE THE EFFECTIVENESS OF ENERGY MANAGEMENT IN THE COUNTRY
- ❖ INTEGRATED OUTLOOK HARMONISING ENERGY MANAGEMENT AND ENVIRONMENT MANAGEMENT
- ❖ SPREADING THE MESSAGE OF ENERGY CONSERVATION AND SUSTAINABLE DEVELOPMENT WITH INDUSTRY AND GENERAL PUBLIC
- ❖ PLAYING A CATALYSING AND ADVISORY ROLE FOR SUSTAINABLE INDUSTRIAL DEVELOPMENT

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

ORGANISATION



ENERGY & FUEL USERS' ASSOCIATION OF INDIA

MEMBERSHIP

- ❖ LARGE ,MEDIUM AND SMALL INDUSTRIES(PETROLEUM REFINERIES, STEEL, CHEMICAL,SUGAR, SOLVENT EXTRACTION, FERTILISER INDUSTRIES ETC.,
- ❖ PRIMARY PRODUCERS OF ENERGY (PETROLIUM,COAL,NATURAL GAS ETC.,
- ❖ CONSULTANTS, EDUCATIONAL INSTITUTIONS,ENERGY PROFESSIONALS ETC,.

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

SERVICES OFFERED

- ❖ PROVIDING SOUND TECHNICAL EXPERTISE AND ADVICE TOWARDS OPTIMUM USE OF ENERGY
- ❖ INDUSTRIAL CONSULTANCY
- ❖ WORKSHOPS
- ❖ IN-PLANT TRAINING PROGRAMMES
- ❖ COACHING CLASSES FOR BOILER ATTENDANTS AND BOILER ENGINEERS
- ❖ COMPLETE ENERGY AUDITS

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

PROMOTIONAL ACTIVITIES

- ❖ NATIONAL SEMINAR
- ❖ ENERGY & FUEL USERS' JOURNAL
- ❖ DISSEMINATION OF INFORMATION ON SIGNIFICANT DEVELOPMENTS AFFECTING MEMBER INDUSTRIES
- ❖ PROPAGATING THE USE OF RENEWABLE SOURCE OF ENERGY
- ❖ EXHIBITIONS ON EQUIPMENTS AND SERVICES IN THE AREA OF ENERGY CONSERVATION.
- ❖ MONTHLY TECHNICAL MEETS

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

INDUSTRIAL CONSULTANCY

1. FEASIBILITY STUDIES ON ENERGY CONSERVATION
2. ENERGY ACCOUNTING & CONSERVATION
3. IDENTIFYING SAVINGS POTENTIAL IN ELECTRICAL POWER, COMPRESSED AIR & UTILITIES ETC.
4. STEAM SYSTEM LAYOUT DESIGN
5. TROUBLE SHOOTING IN BOILER PLANTS

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

INDUSTRIAL CONSULTANCY-ACHIEVEMENTS

- ❖ MORE THAN 1000 STUDIES CONDUCTED SINCE 1973
- ❖ SAVINGS TO INDUSTRY – RUPEES HUNDRED CRORES
- ❖ RECOGNISED BY PCRA, IDBI AND TNEB
- ❖ RECOGNITION BY KERALA ELECTRICITY BOARD AND GUJERAT STATE ELECTRICITY BOARD BEING SOUGHT.

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

ENFUSE JOURNAL

- ❖ QUARTERLY PUBLICATION GIVEN FREE TO MEMBERS
- ❖ CONTAINS ARTICLES ON ENERGY, ENERGY NEWS, NEW PRODUCTS AND NEW TECHNOLOGIES
- ❖ SUBSCRIBERS FROM USA, GERMANY, TURKEY, TAIWAN
- ❖ EXHIBITED BY GOVT OF INDIA IN BANGKOK CONFERENCE
- ❖ CONSERVATION ARTICLES PUBLISHED EVEN PRIOR TO OIL CRISIS IN 1973.

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

NATIONAL SEMINARS

- ❖ CONDUCTED ANNUALLY SINCE 1952

TYPICAL THEMES

- ❖ STEAM & FUEL ECONOMY IN INDUSTRY
- ❖ ENERGY CONSERVATION AUDIT
- ❖ ENERGY PERSPECTIVES & PROSPECTS
- ❖ ENERGY OPTIONS FOR NINETIES
- ❖ ENERGY PREPAREDNESS FOR 2000 A.D.
- ❖ ENVIRO - ENERGY EXPO 2000

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

- ❖ Energy Conservation Act 2001
- ❖ Electricity Bill 2003
- ❖ Accreditation Programme for Energy Auditors & Energy Managers
- ❖ Energy Vision 2007
- ❖ Energy Conservation Building Code (ECBC)

MAJOR ACTIVITIES 1998

**NATIONAL SEMINAR ON EMERGING CHALLENGES IN
ENERGY & ENVIRONMENT: DEC – 1998 AT CHENNAI.**

ENERGY & FUEL USERS' ASSOCIATION OF INDIA
30TH NATIONAL SEMINAR
ON
EMERGING CHALLENGES IN ENERGY & ENVIRONMENT
AT HOTEL RESIDENCY, CHENNAI
ON 12 & 13TH DECEMBER 1998



ENERGY & FUEL USERS' ASSOCIATION OF INDIA
30TH NATIONAL SEMINAR
ON
EMERGING CHALLENGES IN ENERGY & ENVIRONMENT
AT HOTEL RESIDENCY, CHENNAI
ON 12 & 13TH DECEMBER 1998



MAJOR ACTIVITIES 1999

**INAUGURATION OF GOLDEN JUBILEE CELEBRATIONS
WITH SEMINAR OVER 200 INDUSTRY REPRESENTATIVES
ATTENDED THE SEMINAR: JULY – 1999**



PARTICIPANTS OF THE SEMINAR

GOLDEN JUBILEE CELEBRATIONS - 2000

SEMINAR ON ENERGY & ENVIRONMENT –
CURRENT STATUS AND FUTURE
CHALLENGES AT GRT GRAND DAYS
EXHIBITION AT VALLUVAR KOTTAM

HON MINISTER LIGHTING KUTHUVILAKKU TO MAKE THE INAUGURATION OF GOLDEN JUBILEE.



The photograph captures the opening ceremony of the Jubilee Celebration Energy Expo 2000. A man in a white suit stands at a wooden podium, addressing the audience. Behind him, a long table covered with a white cloth is set with water bottles and microphones, with several people seated along it. The background is a large brown banner featuring the text "Jubilee Celebration" in a script font, "ENERGY EXPO 2000" in large bold letters, and "16 & 17 July" below it. To the left, a logo for "GOLDEN" is partially visible. To the right, a list of participating companies is displayed with their respective logos: PETROBRAS, ENI, TOTAL, and others. The event is held in a large hall with a high ceiling and industrial lighting.



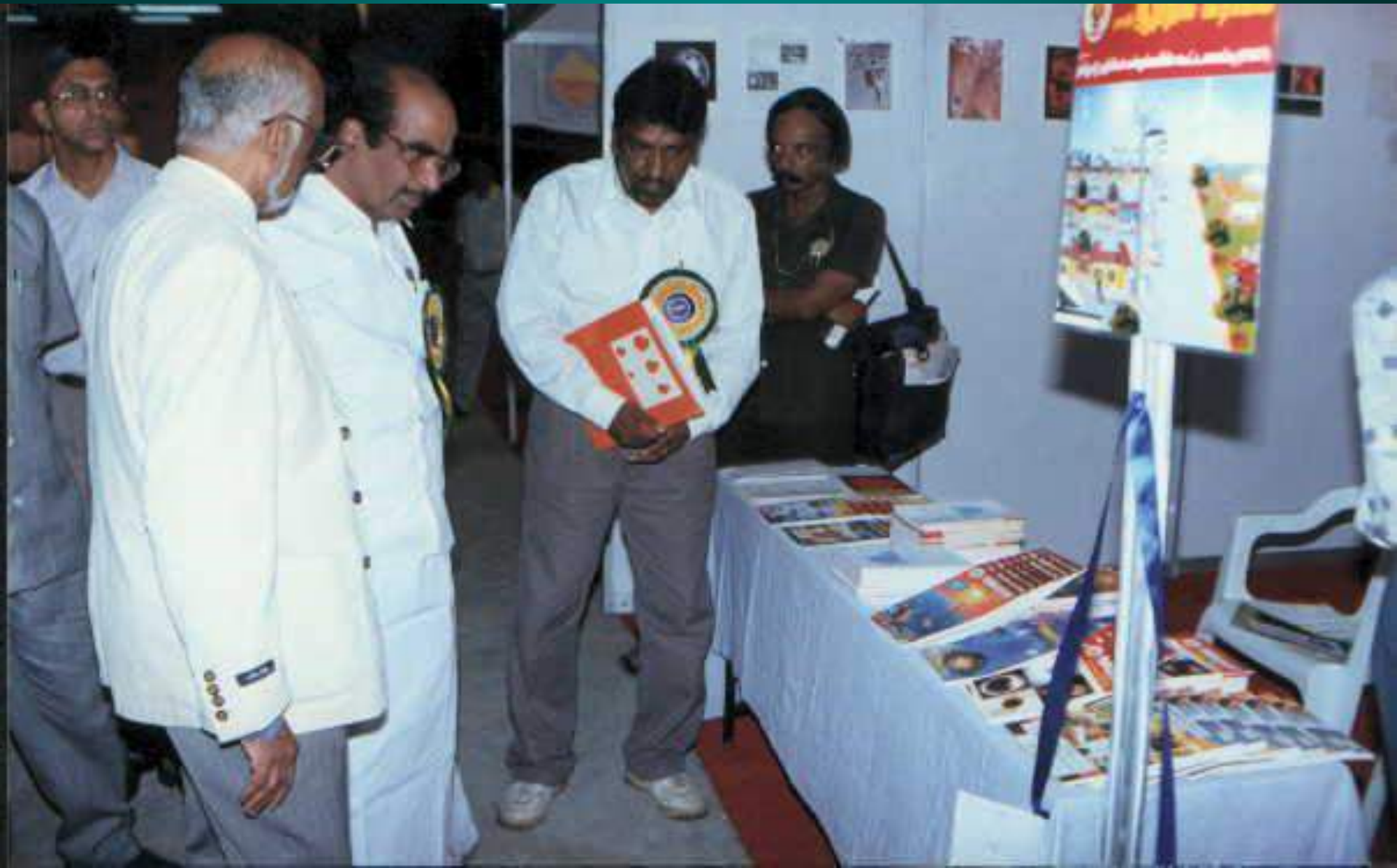
HON MINISTER PRESENTS FIRST COPY TO MR.SINGH OF PCRA



PRESIDENT WELCOMES DURING SEMINAR



HON MINISTER LOOKS DURING EXHIBITION AT VALLUVAR KOTTAM AT GOLDEN JUBILEE CELEBRATIONS



MAJOR ACTIVITIES 2000 – 2001

➤ SEMINAR ON PROPOSED ENERGY CONSERVATION LAW 2001: JULY 2001



HON MINISTER'S SPEECH





ACCREDITATION PROGRAMME FOR ENERGY AUDITORS & ENERGY MANAGERS: MAY 2002-CHENNAI



NATIONAL SEMINAR ON ELECTRICITY BILL 2001 - CHENNAI



ACCREDITATION PROGRAMME FOR ENERGY AUDITORS & ENERGY MANAGERS – AUG 2002 AT BANGALORE.



OILC ONSERVATION FORTNIGHT - 2003

The following events were conducted during the Oil Conservation Fortnight

- SCHOOL QUIZ
- COLLEGE QUIZ
- L P G CLINIC
- DRIVER'S CLINIC

INTER SCHOOL QUIZ



College Quiz – Anna University



L P G - Clinic



Driver's Clinic



INTEGRATED RESOURCE PLANNING IN INDIAN UTILITIES

National Seminar
Hotel G R T Grant Days
Chennai.



ENERGY & FUEL USERS' ASSOCIATION OF INDIA

- NATIONAL SEMINAR ON ENERGY CONSERVATION ACT 2001& ENERGY EFFICIENCY PROGRAMMES IN INDIA : SEPTEMBER-2002-HYDERABAD
- NATIONAL SEMINAR ON ENERGY CONSERVATION ACT 2001& ENERGY EFFICIENCY PROGRAMMES – PHARMACEUTICAL INDUSTRIES : OCTOBER-2002-HYDERABAD.
- TRAINING PROGRAMME FOR ENERGY MANAGERS NOVEMBER 2002-TTHIRUVANANTHAPURAM.THIS PROGRAMME WAS COSPONSORED BY ENERGY MANAGEMENT CENTRE,KERALA STATE & ENERGY CONSERVATION CENTRE OF THAILAND

ENERGY VISION 2007

On 10th & 11th Oct. 2003.

- ❖ Part-I. Seminar on, “India’s New Energy Efficiency Programmes- Roles of Individuals & Organizations”.
- ❖ Part-II. Energy Vision 2007-Souvenir Release.
- ❖ ENFUSE Energy Efficiency Award-2003-2003



ENERGY VISION-2007

SEMINAR ON

INDIA'S NEW ENERGY EFFICIENCY PROGRAM
ROLES OF INDIVIDUALS & ORGANIZATIONS

EFUA

2007

ENERGY & FUEL USERS ASSOCIATION (EFUA)

Himalaya Hotel









ENERGY VISION - 2007

INDIA'S NEW ENERGY EFFICIENCY PROGRAM
ROLES OF INDIVIDUALS & ORGANIZATIONS

CLRI Auditorium, Chennai

ENERGY & FUEL USERS ASSOCIATION OF INDIA

CLRI Chennai
IREDA Chennai
IOC Chennai

CPCL Chennai
NLC Chennai



ENERGY VISION - 2007

SEMINAR ON

INDIA'S NEW ENERGY EFFICIENCY PROGRAM
ROLES OF INDIVIDUALS & ORGANIZATIONS

Venue: CLRI Auditorium, Chennai

Organized by

ENERGY & FUEL USERS ASSOCIATION OF INDIA

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CPCL CHENNAI
Reliance Industries

NLC ROYVELI





2007
EFFICIENCY PROGRAM
CLB & ORGANIZATIONS
Chemical
OF INDIA
CPCL
NLC









ENERGY & FUEL USERS' ASSOCIATION OF INDIA

NATIONAL SEMINARS

DIGNATORIES WHO HAVE PARTICIPATED

SHRI C.RAJAGOPALACHARI

SHRI K.L.RAO

SHRI H.V.R.I.IYENGAR

SHRI K.K.SHAH

SHRI PRABHUDAS PATWARI

SHRI B.B.VORA

SHRI HITEN BHAYA

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

NATIONAL SEMINARS

DIGNATORIES WHO HAVE PARTICIPATED

SHRI KANTUBAI DESAI

SHRI S.L.KHURANA

SHRI DHARMA VEERA

SHRI N.MAHALINGAM

SHRI D.C.KOTHARI

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

WORKSHOPS FOR EXECUTIVES & TECHNICIANS

TITLES

- ❖ BOILER OPERATION & MAINTENANCE
- ❖ WATER CONSERVATION & TREATMENT
- ❖ STEAM DISTRIBUTION
- ❖ WASTE HEAT RECOVERY
- ❖ ENERGY MANAGEMENT
- ❖ ECONOMIC GENERATION & USAGE OF ELECTRICITY

WORKSHOPS CONDUCTED : AROUND 100

PARTICIPANTS BENEFITED : 3000

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

CLASSES FOR BOILER ATTENDANTS & ENGINEERS

FOR TRAINING OPERATORS & ENGINEERS

THREE DAYS DURATION

CANDIDATES BENEFITED : 2000.

In the months of July, September, December, 2003 We have conducted Coaching Classes for BOILER ATTENDANTS IN Trichy, Erode and Chennai

COACHING CENTRES

CHENNAI

ERODE

TIRUPPUR

TRICHY COIMBATORE

MADURAI

PONDICHERRY

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

IN-PLANT TRAINING PROGRAMMES

ORIENTATION

INDUSTRY SPECIFIC

PLANT PERFORMANCE IMPROVEMENT

COMPANIES BENEFITED



TAMIL NADU

CHENNAI PETROLEUM CORPORATION LIMITED

SHAW WALLACE

SPIC

T.N. CIVIL SUPPLIES CORPORATION

TAJ CORAMANDEL

ENERGY & FUEL USERS' ASSOCIATION OF INDIA

GUEST LECTURES

BY TECHNICAL EXPERTS FROM ABROAD ON TOPICS OF CURRENT INTEREST

ADDRESSED BY

- ❖ Mr.HENRY BOERSTLING, GE, USA
- ❖ Mr.ROGER GARRATT, GE, USA
- ❖ Prof.ALLAN WILLIAMS, UK
- ❖ Mr.MOON DORSEY, AMOCO, USA
- ❖ Prof.T.TRUSLOVE, SCOTLAND
- ❖ Prof.VICTOR ZAKKAY, N.Y. UNIVERSITY
- ❖ Mr.IAN BROWN, UK
- ❖ Mr.WILLIAM ELLISON