



Energy Management Centre

An Autonomous Centre under the Department of Power
GOVERNMENT OF KERALA

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ENERGY MANAGEMENT CENTRE – KERALA

Energy Management Centre- Kerala, the State designated agency to enforce the Energy Conservation Act 2001 is an autonomous body under the Department of Power, Government of Kerala devoted to the improvement of energy efficiency in the State, promotion of energy conservation and encouraging development of technologies related to energy through research, training, demonstration programmes and awareness creation. With the prime aim of achieving **sustainable development through enhancing total energy efficiency and application of renewable energy and environment friendly energy systems in all sectors of the economy**, EMC is formulating and implementing energy efficiency projects and programmes.

EMC is evolving energy management techniques and policy formulations which help to promote sustainable development, policy measure for the symbiotic integration of energy-environment-development interaction and policy packages which help reduce green-house gas emissions from different sectors of the economy with the management system for Integrated Energy Demand, Energy Supply, Research and Development for Energy Technology Development and management and Education and Training for energy management.

Functional areas for achieving Integrated Energy Demand management system includes programmes on management of Industrial Energy Demand Domestic & Rural Energy Demand, Agricultural Energy Demand, Transportation Energy Demand Management and Buildings Energy Demand with several programmes

Programmes for

- Industrial Energy Demand Management
 - Energy Efficient Industrial Systems & Process Development Design
 - Energy Conservation Consultancy
 - Energy Audit & studies
 - Industrial Energy Use Profile Analysis
 - Energy Conservation Awards
- Domestic & Rural Energy
 - Energy Clinic
- Transportation Energy Demand Management
 - Transport Clinic
- Buildings Energy Demand Management
 - Training for Architects
 - Implementation of Energy Conservation Building Code
- Energy Supply Management
 - Development of Small Hydro Power Systems
 - Application of renewable energy systems
 - studies on system loss and power quality

- R &D for Energy Technology Development & Management
 - Development of Urja 2
 - Industrial energy conservation
 - Development of Information Technology based systems for Industrial Energy Efficiency improvement in processing

- Education & Training for Energy Management
 - Energy Education in Schools
 - Energy Education & Training in Industries
 - Energy Education & Training in Transport Sector
 - Energy Education for Rural Areas
 - Energy Education for Women
 - Energy Manager Training & Certification
 - Education & Training for Small Hydro Power Development
 - Training for Local Self Government Functionaries under People's Planning Programme
 - Energy Conservation Education in Technical Institutions