

Overview of EE&C Activities in Myanmar

Presented By
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Outline of Presentation

1. Part I. Background

2. Part II. Activities

3. Part III. Future Plan & Programs

1. Part I. Background

Contents

- Energy Policy
- Energy Sector Profile
- Regulations
- Present Institutional Arrangements

Part I/1. Background

Energy Policy of Myanmar

To maintain the Status of Energy Independence

To Promote Wider use of New and Renewable Sources of Energy

**To Promote Energy Efficiency and Conservation;
and**

To Promote use of Alternative Fuels in Household

Part I/2. Background

Energy Sector of Myanmar

- 1. Oil and Gas Sub-sector - Ministry of Energy
- 2. Electric Power Sector – Ministry of Electric Power
- 3. Biomass (Fuelwood) Sector - Ministry of Forestry
- 4. Coal Sub-sector - Ministry of Mines
- 5. Renewable Energy - Ministry of Science & Technology

Part I/3. Background

Regulations

Myanmar Electricity Law (1984)

Electricity Act 1948 (as amended in 1967)

Electricity Rules (1985)

The Petroleum Act (1934) and

Petroleum Rules of 1937 (as amended in 1946)

Part I/4. Background

Present Institutional Arrangements

National Coordinating Committee – (Ministry of Energy)

Representations from the Sub-sector Ministries

2. Part II. Activities

Contents

- Past Activities
- Impacts
- Barriers and Constraints

Part II/1. Activities

Past EE&C Activities

UNDP/ADB assisted

**Institutional Strengthening within the Ministry of Energy
Project (ISME) –1991**

Key Elements

- a) Energy Analysis**
- b) Energy Economics**
- c) Energy Conservation**
- d) Fuel Safety**
- e) Management Information Systems**

Part II/2. Activities

Past EE&C Activities

UNESCAP assisted

- Seminar on Energy Efficiency/Energy Conservation in the Industrial Sector, 23-24 October 1996,
- Seminar on Practical Training Course on Efficient Energy Management in Industries (Phase I), 19-21 August 1998 and (Phase II), 4-5 November 1998, Myanmar

Part II/3. Activities

Past Activities

ASEAN EE&C-SSN

Promotion of Energy Efficiency and Conservation (PROMEEEC)

– Mann Petroleum Refinery Site visit & Energy Audit,

17-22 December 2001, Myanmar

Promotion of Energy Efficiency and Conservation (PROMEEEC)

Building Energy Audit Training,

13-17 January 2003, Yangon, Myanmar

Workshop of the Working Group for Benchmarking and Energy

Audit Guideline Development Project (PROMEEEC),

28 February 2003 to 1 March 2003, Yangon, Myanmar

Part II/4. Activities

Impact from Past Activities

Very little impact due to poor follow up activities

Part II/5. Activities

Barriers and Constraints

- Supply constraints
- Lack of proper understanding of EE&C
- Low tariffs
- Financial constraints
- Institutional constraints

2. Part III. Future Plan & Programs

Contents

- ASEAN Program
- UNESCAP Program

Part III/1. Future Plan and Programs

Planned Activities

ASEAN Program

- **Preparation for Myanmar Nationals to receive accreditation under the AEMAS**
 - (1) **ADB Funding**
 - (2) **Others**
 - **Competing in ASEAN Energy Awards EE&C Best Practices in Buildings**
 - **Participation in ASEAN EE&C-SSN and PROMEEC Activities**
- **Collaboration with ESCAP**
 - (1) **Advisory Services to facilitate the development of a framework on energy management system in Myanmar**

Part III/2. Future Plan and Programs

ASEAN Program- Key Components

AEMAS Program

- **Training of Energy Managers According to AEMAS Curriculum**
- **ASEAN Awards**
- **PROMEEC**

Part III/3. Future Plan and Programs

UNESCAP Program

- **Framework on Energy Management System –**

- **Key Elements**

Objective

Methodology

Priority Actions

Objective

- To promote every management best practice in industrial and commercial facilities

Methodology

How to improve energy efficiency ?

- House keeping measure
- implement sustainable energy management system
- Adopt energy efficient technologies

Needs for Implementation

- Human resources development, training and access to information
- Leadership at government and ministerial level

Proposed institutional set up

1. Central Government
2. Energy efficiency committee
3. Secretariat
4. Technical Advisory - National Focal point

Part III/4. Future Plans and Programs

Basic Technical Skills to be developed

Heat management

Power utilities management

Steam utilities management

Theory and Practice in Energy Efficiency and
Energy Conservation

Theory and Practice in Energy Auditing

Part III/5. Future Plan and Programs

UNESCAP Program Planned Activities

- Identification of industries according to energy use for implementing the energy management system
- Preparation of TOR for the person in charge for energy
- Development of a data collection and compilation system
- Develop a system for reporting
- Impart basic technical skills

The End

Overview of EEE&C

Activities in

Myanmar

*Thank You for
Your Attention*

*U Aye Kyaw
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Ministry of Energy*