

# **Overview of EE&C Activities in Myanmar**

**Presented by  
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**at the**

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**27 February 2007**

## **Outline of Presentation**

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**Part One : Background**

**Part Two : Activities**

**Part Three : Future Plan &  
Programs**

## **Part One : Background**

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### **Contents**

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

## **Part One( 1) : Background**

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### **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 One( 2 ) : Background**

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### **Energy Sector of Myanmar**

- |                               |                                    |
|-------------------------------|------------------------------------|
| • Oil and Gas Sub-sector      | - Ministry of Energy               |
| • Electric Power Sector       | - Ministry of Electric Power       |
| • Biomass ( Fuel wood) Sector | - Ministry of Forestry             |
| • Coal Sub-sector             | - Ministry of Mines                |
| • Renewable Energy            | - Ministry of Science & Technology |

## **Part One( 3 ) : Background**

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### **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 One( 4 ) : Background**

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### **Present Institutional Arrangements**

- **National Coordinating Committee-  
( Ministry of Energy)**
- **Representation from the Sub-sector  
Ministries**

## **Part Two : Activities**

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### **Contents**

- **Past Activities**
- **Impacts**
- **Barriers & Constraints**

## **Part Two(1) : Activities**

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### **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 System**

## **Part Two(2) : Activities**

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### **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 Two(3) : Activities**

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### **Past Activities**

#### **ASEAN EE&C – SSN**

- Promotion of Energy Efficiency and Conservation ( PROMEEC)  
– Mann Petroleum Refinery Site visit & Energy Audit,  
17-22 December 2001, Myanmar
- Promotion of Energy Efficiency and Conservation ( PROMEEC)  
– Building Energy Audit Training , 13-17 January 2003 ,Yangon, Myanmar
- Workshop of the Working Group for Benchmarking and Energy Audit Guideline Development Project (PROMEEC), 28 February 2003 to 1 March 2003, Yangon Myanmar
- On - the - Job Training on energy audit on energy efficiency and conservation for Industry conducted on 20-24 November 2006 in Myanmar by the ASEAN Centre for Energy and Energy Conservation Centre , Japan under the Promotion of Energy Efficiency and Conservation (PROMEEC) Project of the ASEAN Senior Officials Meeting on Energy – Ministry of Energy, Trade and Industry (SOME- METI) Work Program 2006-2007.

## **Part Two(4) : Activities**

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### **Impact from Past Activities**

- Very Little Impact due to poor follow up activities

## **Part Two(5) : Activities**

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### **Barriers & Constraints**

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

## **Part Three: Future Plan & Programs**

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### **Contents**

- **UNESCAP Program**
- **ASEAN Program**

## **Part Three(1): Future Plan & Programs**

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### **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 Three(2): Future Plan & Programs**

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### **ASEAN Program - Key Components**

#### **AEMAS Program**

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



## **Part Three(3): Future Plan & Programs**

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### **UNESCAP Program**

- **Framework on Energy Management System**
- **Key Elements**
  - Objective**
  - Methodology**
  - Priority Actions**

## **Objective**

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

## **Methodology**

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### **How to improve energy efficiency?**

- **House keeping measure**
- **Implement sustainable energy management system**
- **Adopt energy efficient technologies**

## **Needs for Implementation**

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### **Human resources development, training and access to information**

- **Leadership at government and ministerial level**

## **Proposed Institutional Setup**

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- **Central Government**
- **Energy Efficiency Committee**
- **Secretariat**
- **Technical Advisory – National Focal Point**

## **Part Three (4): Future Plans & Programs**

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### **Basic Technical Skills to be Developed**

- **Heat Management**
- **Power Utilities Management**
- **Steam Utilities Management**
- **Theory and Practice in Energy Efficiency & Energy Conservation**
- **Theory and Practice in Energy Auditing**

## **Part Three (5): Future Plans & Programs**

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### **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

**Energy Audit Team at the Kyankhin Cement Factory  
on 20-21 November 2006**







**Energy Audit Team at the Kyankhin Cement Factory  
on 20-21 November 2006**





**Energy Audit Team at the Thanlyin Refinery  
on 23<sup>rd</sup> November 2006**







# **The End**

***Overview of  
EE&C Activities in  
Myanmar***

## **Thank You for Your Attention**

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