IGES New Market Mechanism
Capacity Building – Osaka General Meeting

CDM IN MYANMAR

Myanmar Delegation
Ministry of Environmental Conservation and Forestry
INTRODUCTION

REPUBLIC OF THE UNION OF MYANMAR

- TOTAL LAND AREA = 676,577 km²
- SHARING BORDERS WITH:
  - BANGLADESH & INDIA = NORTH-WEST
  - CHINA = NORTH-EAST
  - LAOS = EAST
  - THAILAND = SOUTH-EAST

- 46.9% forest cover
- 2/3 of the country is mountainous
- A Dry Zone in central of the country
- COASTAL STRIP = 2832 KM FACING TO THE BAY OF BENGAL AND ANDAMAN SEA.
- ABOUT 60 MILLION PEOPLE WITH AN AVERAGE GROWTH RATE OF 1.52% PER ANNUM.
RELATED POLICIES TO CDM IMPLEMENTATION

- Myanmar Agenda – 21 (1994)
- Sustainable development Strategy (2009)
- Environmental Conservation Law (2012)
- Forest Policy (1995)
- Energy Policy
ENERGY POLICY (MINISTRY OF ENERGY)

- To maintain the Status of Energy Independence
- To promote wider use of New and Renewable Sources of Energy
- To promote Energy Efficiency and Conservation
- To promote use of Alternative Fuels in household
- To implement effective utilization of discovered crude oil and natural gas resources in the interest of the entire nation including the regions where the discovery was made
- To promote more private participation

Myanmar implemented ALGAS project which assessed the baseline GHG emissions in energy, forestry and land-use change, and agriculture sectors setting 1990 as a base year.

Initial National Communication (INC) project, which quantified GHG emissions of the country based on year 2000, was implemented.

Second National Communication (SNC) is being prepared.
DNA of Myanmar was established in 2006 in order to approve the proposed CDM projects and to provide information on CDM projects. DNA comprised of 22 members from 15 government line-ministries:

- **Chairman**: Minister for Ministry of Environmental Conservation and Forestry
- **Secretary**: The DG of FD
- **Members**: DG’s from concerned departments.

DNA of Myanmar requires PIN, PDD and EIA documents from project developers for letter of approval / letter of no objection.

Considers four well beings:

- Economic, Social, Environmental and Technical

For EIA, Myanmar follows ADB guidelines for EIA.

Detail procedures has yet to be set but submitted document is subject to be observed through a series of meetings and discussions among DNA members.
CDM Institutional Arrangement

DNA Structure

- DNA
- DNA Secretariat (PSD) MOECAF
- Technical Inter-Ministerial Working Groups
  - Forestry Technical Working Group
  - Other Technical Working Groups

Comprised with 22 Representatives from 15 Line Ministries

Note: Minister for Ministry of Environment Conservation and Forestry is the chairman of the CDM DNA and Director General of Forest Department acts as Secretary.
Capacity Building workshops/trainings
Seminars by foreign investors/technicians
Trainings abroad
Pilot CDM projects
CDM awareness raising seminars/workshops
REDD and REDD+ readiness activities
Biomass studies in forestry sector
GHG inventory studies and projects
GHG EMISSION IN THE COUNTRY

Share of GHG Emission by Sector (2000)

- LULUCF: 54%
- Agriculture: 31%
- Energy: 10%
- Industry: 1%
- Waste: 4%

Net emission - 67,821 (1000 ton CO₂)
## GHG Emission in the Country

<table>
<thead>
<tr>
<th>Source/sink</th>
<th>CO2 Removal</th>
<th>Total GHG Emission</th>
<th>GHG Net Emission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>786</td>
<td>786</td>
<td>786</td>
</tr>
<tr>
<td>Industrial</td>
<td>463</td>
<td>463</td>
<td>463</td>
</tr>
<tr>
<td>Agri./Livestock</td>
<td>22843</td>
<td>22843</td>
<td>22843</td>
</tr>
<tr>
<td>LULUCF</td>
<td>142,221</td>
<td>40405</td>
<td>-101,817</td>
</tr>
<tr>
<td>Waste</td>
<td>2826</td>
<td>2826</td>
<td>2826</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>142,221</strong></td>
<td><strong>74401</strong></td>
<td><strong>-67,821</strong></td>
</tr>
</tbody>
</table>
Non-renewable energy project activities: Fuel switching from coal or fuel oil to natural gas; Replacement of fossil fuel with alternative fuels by biomass such as rice husk, palm kernel shell, agricultural residues, etc.

Renewable energy project activities: solar energy, wind power, hydroelectric power plant, geothermal, biogas and biomass.

Waste handling and disposal: Landfill CDM projects have now high potential in this sector.

Transport: Substitution of fossil fuel with bio-fuels and natural gas fuels.

Agriculture: Methane production avoidance from biomass decay; gas recovery and utilization projects in livestock breeding; etc.

Afforestation and reforestation: afforestation and reforestation activities, agroforestry programs; etc.
The eligibility of lands for Afforestation and Reforestation CDM

- A single minimum tree crown cover 10%
- A single minimum land area 0.1 ha
- A single minimum tree height 2 m

Forest Cover Myanmar 46.7% of Total Land Area
A limited capacity building and technology transfer on CDM have been received through workshop, training and seminars by a number of organizations:

- UNDP
- UNEP
- JICA
- CDM EB of UNFCCC
- IGES
- ADB
- ITTO
- JIFPRO
CONSTRAINTS

There is no proper organizational set up for tackling climate change mitigation and adaptation activities.

Yet to develop proper and clear-cut country specific CDM development procedures and guidelines.

Limited knowledge on CDM Project development in all levels: Policy makers, business, finance and legal institutions in the country.

Limited financial support to conduct research and study on potential projects that can be developed for CDM.

Investment and finance are limited in the country for CDM development.
Re-organization of the DNA of Myanmar to promote CDM
Conducting a comprehensive assessment to identify and prioritize CDM projects
Establishment of efficient regulatory structure with clear rules and timelines for project approval and implementation
Construction of a CDM information database and system
Building capacity of CDM related stakeholders in cooperation with international organizations
Promoting multilateral and bilateral cooperation with international organizations to initiate a domestic market mechanism
Thank you for your kind attention