



Lesson Learned Presentation

**Ministry of Social Welfare, Relief and Resettlement,
The Republic of the Union of Myanmar**

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Hazard Profile of Myanmar

Hazard Profile

- ▶ (Fire)
- ▶ (Flood)
- ▶ (Storm)
- ▶ (Earthquake)
- ▶ (Tsunami)
- ▶ (Landslide)
- ▶ (Drought)
- ▶ (Epidemic)



Potential Hazards and Prone Areas in Myanmar

- ▶ **Fire** All round the country
- ▶ **Flood** Annual flood occur in Kayin State, Bago Region, Mandalay Region, Ayaeyarwaddy Region. Especially townships and villages which are situated along the rivers banks of Ayaryarwaddy, Sittaung, Thanlwin, Madauk and Shwe Kyin.
- ▶ **Cyclone** Thanintharyi region, Mon State, Rakhine State, Yangon Region and AyaeyarWaddy Region

▶ **Earthquake** can occur around the country, Nay Pyi Taw, Bago, Sagaing and Mandalay Regions and Shan State are earthquake prone areas.

▶ **Tsunami** Costal areas such as Rakhine and Mon States and Ayaeyarwaddy, Yangon and Thanintharyi Regions

▶ **Drought** Central Myanmar (Sagaing, Magwe, and Mandalay regions)

▶ **Landslide** Hilly Region (Kachin, Chin, Shan and Rakhine

Legislation

Legislation

- The Disaster Management Law with (9) Chapters has been enacted on 31st July 2013.
- **Title and Definition**
- **Objectives**
 - (a) to implement natural disaster management programmes systematically and expeditiously in order to reduce disaster risks;
 - (b) to form the National Committee and Local Bodies in order to implement natural disaster management programmes systematically and expeditiously;
 - (c) to coordinate with national and international government departments and organizations, social organizations, other non-government organizations or international organizations and regional organizations in carrying out natural disaster management activities;

Legislation

(d) to conserve and restore the environment affected by natural disaster;

(e) to provide health, education, social and livelihood programmes in order to bring about better living conditions for victims.

- **Formation of National Natural Disaster Management Committee and its Duties and Powers**
- **Formation of Natural Disaster Management Bodies and its Duties and Powers**
- **Declaration of Being a Natural Disaster Affected Area**

Legislation

- **Natural Disaster Management**

- (i) preparatory and preventive measures for natural disaster risk reduction in pre-disaster period;
- (ii) emergency responses including search and rescue during natural disaster;
- (iii) rehabilitation and reconstruction activities for improving better living standard in post disaster period and conservation of the environment that has been affected by natural disaster;

- **Natural Disaster Management Fund**

- (a) allocation from the Union budget fund;
- (b) contribution and donation from foreign countries, international organizations and external regional organizations, loans from local and foreign and other official receipts;

Legislation

- (c) contributions and donations of local bodies, well-wishers in local and foreign, civil societies and other non-government organizations;
- (d) official accrued money received from fund.

- **Offence and Penalties**

punished with imprisonment

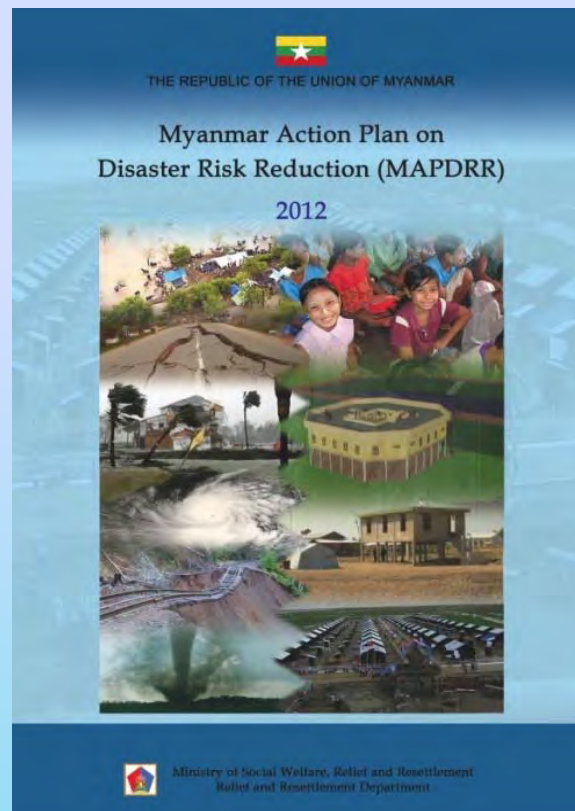
- for a term not exceeding three year or with fine or with both:
- for a term not exceeding two year or with fine or with both:
- for a term not exceeding one month or with fine or with both:

- **Miscellaneous**

National Framework

National Framework

Myanmar Action Plan on Disaster Risk Reduction



Goals

- To make Myanmar Safer and more Resilient against Natural Hazards, thus Protecting Lives, Livelihood and Developmental Gains

Objectives

- To build a more resilient and safer community through conceptualization, development and implementation of appropriate disaster risk reduction programs and culture of safety;
- To provide a framework for implementing Myanmar's DRR commitments at the global and regional levels, under HFA and AADMER;
- To provide a mechanism where the disaster risk reduction initiatives of all Government Ministries and Departments, supported by UN organizations and other stakeholders, can be coordinated and monitored
- To provide a conducive environment for mainstreaming DRR into development plans, and programs at the National, States, Regions, Township and Village Tract levels; and
- To support mutually beneficial partnerships between the Myanmar Government and their development cooperation partners in DRR programs.

Components of MAPDRR

| S/N | Component | HFA Priorities | AADMER | No. of Projects |
|--------------|---|----------------|--------------|-----------------|
| 1 | Component 1: Policy, Institutional Arrangements and Further Institutional development | Priority 1 | Article 6,10 | 4 |
| 2 | Component 2: Hazard, Vulnerability and Risk Assessment | Priority 2 | Article 5 | 8 |
| 3 | Component 3: Multi-hazard Early Warning System | Priority 2 | Article 7 | 10 |
| 4 | Component 4: Preparedness and Response Programs at National, State/Division, District& Township Levels | Priority 5 | Article 6,8 | 10 |
| 5 | Component 5: Mainstreaming Disaster Risk Reduction into Development | Priority 4 | Article 6 | 13 |
| 6 | Component 6: Community based Disaster Preparedness and Risk Reduction | Cross-cutting | Article 6,7 | 9 |
| 7 | Component 7: Public Awareness, Education and Training | Priority 3 | Article 6,7 | 11 |
| Total | | | | 65 |

Institutional Arrangement

Institutional Arrangement

National Disaster Preparedness Central Committee

National Disaster preparedness working committee

Information sub-committee

**Transport and road clearance
sub-committee**

**Emergency communication
sub-committee**

**Risk reduction and emergency
Shelter sub-committee**

**Search and Rescue
sub-committee**

Health care sub-committee

**Initial assessment and
Emergency Supply sub-committee**

**Rehabilitation and Reconstruction
sub-committee**

**Damage and loss confirmation
sub-committee**

Security sub-committee

Mission

- Implementing the systematic and effective disaster management plan and activities to mitigate the risk of the potential hazards.
- Organizing National and Regional level committee to implement systematic, quick and effective disaster management tasks.
- Cooperating and Collaborating with International and inter governmental Organizations, Government organizations, Social organizations, UN, NGOS, INGOs in disaster management sector.
- protecting and conserving natural environment which are damaged by disaster.
- Creating better living standard including health, education, social and livelihood for the victim of natural disaster.

Policy

1. Where earthen bricks have collapsed, those made of stones will replace them.
2. Create better opportunities boosting the country's socio-economic.
3. Managing as minimize risk as possible.
4. Enhancing response activities to mitigate the impact of disaster.
5. Enhancing the spirit of self-reliance of the victim of disaster to stand on their own feet in long term recovery independently.
6. Encouraging the psycho social support of the victim to cure the nightmare of disaster.
7. Managing with international standard.

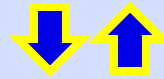
Two Scenarios of Natural Disaster

Scenarios 1: The respective States and Regions are able to take a central role in addressing the impact of natural disaster, with the central authorities only needing to provide support and assistance.

Scenarios 2: Large scale impact and heavy losses caused by the natural disaster make it necessary for the central authorities to play a central role in Management and supervision of relief activities with the respective States and Regions providing support and assistance.

Coordination, Cooperation and Communication System For DRM

National Disaster Preparedness Central Committee

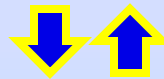


International Organization

UN/INGOs

ACDM

Ministry of Social Welfare, Relief and Resettlement



Relief and Resettlement Department

Ministeries

State/Regional Government

Intelligentsia

Private Organization

LNGOs



AHA Centre

Concerned Department

AADMER Implementation and ASEAN Related Activities

AADMER implementation and ASEAN related activities

Vision

- Disaster resilient nations and safer communities in the ASEAN region

Goal

- To substantially reduce loss of life and damage to economic, social, physical and environmental assets of ASEAN Member States caused by natural and human-induced disasters.

AADMER

- Ratified by ten members countries on 24 December 2009
- Translated to Myanmar
- Four Strategic Components
 - Risk Assessment, Early Warning and Monitoring
 - Prevention and Mitigation
 - Preparedness and Response
 - Recovery

Recovery

- Co-chaired –Myanmar and Indonesia

Objectives

- Conduct damage and loss assessment
- Develop an effective recovery action plan
- Mobilize resources from local, regional and international community to support implementation of recovery process
- Coordinate and implement activities within targeted time frame
- Develop a transition plan and link post-disaster process into sustainable development one year before the end of the recovery period

Expected Output 2013-2015

- Effective recovery toolbox
- 1.The availability of the toolbox on recovery
 - a. tools for assessment
 - b. tools for action plan
 - c. tools for monitoring and evaluation
- 2. AMS that are already informed of the available toolbox
- 3.disaster affected-AMS that use the toolbox as its reference

Recovery tool for Action Plan

- Myanmar has responsible to develop the toolkit.
- The first meeting of Recovery working group was held at Padang, in Indonesia on 22-24, August, 2013.
- The Second meeting for recovery working group and recovery planning workshop was conducted at the Bagan, Myanmar on 5-7, November, 2013. (RRD, UNDP)

ASEAN Political and Security Blueprint

- B.5. Strengthen ASEAN Cooperation on Disaster Management and Emergency Response
 - ii. Work towards effective interface on disaster management between ASEAN and other ASEAN-related bodies such as ASEAN Regional Forum (ARF), ASEAN Plus Three and East Asia Summit(EAS) in a manner that will enhance ASEAN's disaster management capacities;

ASEAN Socio-Cultural Community Blue Print

- B.7 Building Disaster Resilient Nations and Safer Community

Objective

- Strengthen effective mechanisms and capabilities to prevent and reduce disaster losses in lives, and in social, economic and environmental assets of ASEAN Member States and to jointly respond to disaster emergencies through concerted national efforts and intensified regional and international cooperation.
- There are 12 actions to undertake the sector b.7
- Myanmar agreed the ASEAN Declaration on Enhancing Cooperation in Disaster Management.

2014 ASEAN Related Activities

- Meeting for recovery working group will be conduct in 2014 and Myanmar will be host.
- ASEAN Table Top Exercise For Disaster Risk Reduction will also be conduct in Myanmar in the year of 2014.
- Myanmar will participate the 13th ARF ISM on DR as a co-chaired with host country and Japan in China in February 2014.

Disaster Risk Reduction Activities of Ministry of Social Welfare ,Relief and Resettlement

Objectives of the Ministry of Social Welfare, Relief and Resettlement

- To assist the vulnerable groups so as to reintegrate into the society through social work methods
- To encourage the non-governmental organizations to participate in national movement for social development
- To deliver relief to the victim who face disaster such as fire, flood, strong wind, earthquake and armed insurgency to ease their suffering

Pre-Disaster Preparedness Measures

Disaster Management Awareness Training



Workshops



Community Educative programme



Drills and Exercises



တတိယအကြိမ်ဆူနာမီသတိပေးနှိုးဆော်ချက်ကြောင့် ကျေးရွာနေ
ပြည်သူများ Cyclone Shelter သို့ ခို့လှုံ့ရန်ပြေးလွှာနေပုံ

ဆူနာမီဘေးအန္တရာယ်ကျရောက်စဉ်တွင် ဘေးလွတ်ကင်းရှေးရာသို့ အပြန်ဆုံးပြောင်းရွှေ့ရောက်ရှိနိုင်မည့် နည်းလမ်းများကို ဖော်ထုတ်ရရှိရေးလုပ်ငန်း
ပြင်ဆင်မှုမပါဝင်ဘဲ ဆူနာမီကြိုတင်သတိပေးလေ့ကျင့်ခန်းကိုဆောက်တိုဘာလ ၁၄ ရက်နေ့တွင် မွန်ပြည်နယ်အတွင်းလေ့ကျင့်ဆောင်ရွက်ခဲ့ကြောင်း သတင်း
ရရှိသည်။ အဆိုပါလေ့ကျင့်ဆောင်ရွက်မှုတွင် ပင်လယ်ကမ်းခြေရှိ ဖော်လမြိုင်မြို့နယ်ကျောက်တန်းရွာ၊ မေါင်မြို့နယ်အလုပ်ရွာ၊ သံဖြူဇရပ်မြို့နယ်ခက်ခဲဒေသ
ယိပ်ရွာ၊ ရေငြိမ်မြို့နယ်ဒေသတွင်းတွင် ဒေသခံပြည်သူများအဖွဲ့အစည်းတို့ဖြင့် သရုပ်ပြလေ့ကျင့်ခဲ့ကြပြီး ကျွန်ုပ်မြို့နယ်တွင် ညွှန်ကြားသတင်း
ရေးရာဌာန၊ ထပ်ဆင့်အသိပေးဆောင်ရွက်မှု၊ ပြန်လည်သတင်းပို့မှုတို့၏ အသွားအပြန်တို့ကို စီမံခန့်ခွဲတမ်းယူမှုများဆောင်ရွက်ခဲ့ကြောင်း သိရသည်။
ခက်တင်ဘာလ၁၄ရက်ကလည်း အိန္ဒိယသမ္မတနိုင်ငံတွင်းဆူနာမီကြိုတင်သတိပေးခြင်း TABLE-TOPလေ့ကျင့်ခန်းကို ပြန်မူနိုင်ဆူနာမီ
ကျရောက်နိုင်မည့် တနင်္သာရီတိုင်း၊ မွန်ပြည်နယ်၊ ရန်ကင်းတိုင်း၊ ဧရာဝတီတိုင်းနှင့်ရခိုင်ပြည်နယ်တို့တွင် ဆောင်ရွက်ခဲ့သည်။

Pamphlet



- (Fire)
- (Flood)
- (Storm)
- (Earthquake)



- (Tsunami)
- (Landslide)
- (Drought)
- (Thunderstorm)



Experiences

Experiences

| No. | Date | Hazard | Estimate Lost (Kyats) |
|-----|---------------|-----------------------|-----------------------|
| 1 | 26-12-2004 | Tsunami | (1585.56)Million |
| 2 | 2/3-May-2008 | Cyclone Nargis | (11.7)Trillion |
| 3 | 22-10-2010 | Cyclone Giri | (0.024)Trillion |
| 4 | 24-3-2011 | Tahlay Earthquake | (3031.30)Million |
| 5 | 19/20-10-2011 | Magway Flash Flood | (15465.25)Million |
| 6 | 11-11-2012 | Tabaikkyin Earthquake | (8140.12)Million |

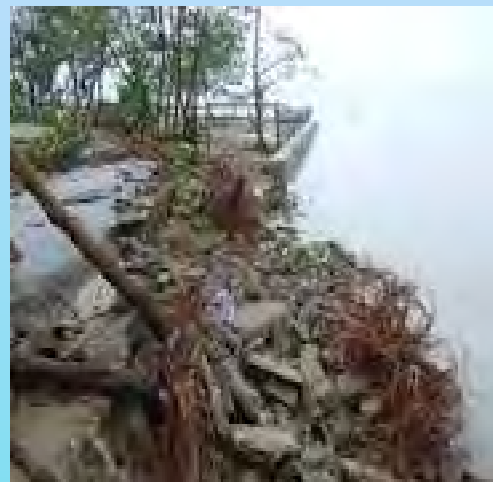
Cyclone Nargis

- 2/3-May-2008
- Wind Speed 120 miles per hour
- (7) township in Ayeyarwaddy (40) township in Yangon Region
- Death (138373)
- Damage & losses (11.7) Trillion Kyats



Cyclone Giri

- 22-10-2010
- (8)townships in Rakhine State,
(1)township in Mandalay Region,
(4)township in Mgway Region
- Death – 57
- Damage & loss(0.024)Trillion



Tahlay Earthquake

- 24-3-2011
- Tarcheleik Township, Tahlay sub-township
- (7) Richter scale
- Death - 76
- Injury- 100
- Damage & losses-(3031.30) Million



Magway Flash Flood

- 19/20-10-2011
- Pakyaukkyu, SatePhyu, Pyauk, Myaing
- Death & lost 161
- Damage & losses- (15465.25) Million



Tabaikkyin Earthquake

- 11-11-2012
- Sagaing and Mandalay
Regions
- Death- 18
- Injury- 114
- Damage & losses-(8140.12)
Million



Lesson Learned

Lesson Learned

- Proactive participation of the Local Government and affected community in Pre, During and Post Disaster period lead to success.
- Community participation are crucial for achieving ambitious goal.
- Infrastructure Development in Disaster prone areas can reduce risk to some extents
- Experiences lead to enhanced awareness and capacity development of in-country human resources.
- There is a gap between long term recovery and sustainable development. It can cause economic instability and increase marginalized population in affected areas.
- Mainstreaming DRR into Development Plans.
- Secondary hazard also impact on recovery.(e.g. Rakhine State,Giri affected area is occurring social conflict within two years after cyclone impact on resident's economy and social.)

Lesson Learned

- Systemic cooperation and coordination between Government , UN bodies , INGOs NGOs play a vital.
- Cyclone Giri compared to Cyclone Nargis, according to the experiences of Government on win-win cooperation and coordination mechanism and the lesson learnt from Nargis protected many lives and infrastructure .
- Legal framework and guidelines for disaster management support to smooth implementation of response and recovery period.
- Preventive and preparedness measures of Government directly related to DRR.
- Not only focus on physical development but on psycho social support who suffers from disasters.

Way Forward

Way Forward



- To finalize and ratify the Disaster Management Regulations
- To develop recovery toolkit for ASEAN Member States according to AARMER work programme.
- To conduct Recovery Working Group meeting and Disaster Response Tabletop exercises as a host in 2014.
- To establish Disaster Management Training Center in Ayeyarwaddy Region.
- To upgrade Emergency Operation Center.
- To implement the ongoing projects to achieve MAPDRR Goal.

“To Reduce Risk, Let’s do it together.”

THANK YOU FOR YOUR ATTENTION

