



Regional Stakeholder Consultation on Climate Services for the Third Pole Region

Jaipur, India
9-11 March 2016



Myanmar

Ministry of Social Welfare, Relief and Resettlement
Disaster Risk Reduction

Hazards in Myanmar

1. Cyclone
2. Drought
3. Earthquake
4. Fire
5. Flood
6. Forest Fire
7. Landslide
8. Storm Surge
9. Tsunami



Major Disasters in Myanmar

| No. | Date | Disaster | Damage and Loss |
|-----|---------------------|--------------------------------------|--|
| 1 | 26-12-2004 | Tsunami | - |
| 2 | 2/3-May-2008 | Cyclone Nargis | Death - (138,373) people Damage and Loss - (11.7)Trillion Kyats |
| 3 | 22-10-2010 | Cyclone Giri | Death – 57 people Damage and Loss - (0.024)Trillion Kyats |
| 4 | 24-3-2011 | Tahlay Earthquake | Death – 76 people, Injury – 100 people Damage and Loss - (3031.30)Million Kyats |
| 5 | 19/20-10-2011 | Magway Flash Flood | Death & lost – 161 people Damage and Loss - (15465.25)Million Kyats |
| 6 | 11-11-2012 | Tabaikkyin Earthquake | Death – 18 people, Injury – 114 people Damage and Loss - (8140.12)Million |
| 7 | 2015 June to August | Severe flood in 12 State and Regions | Death – 172 people, affected – over 1.6 million people, Initial Damage and Loss – (204152.77) Million Kyats |

Images of Major Disasters in Myanmar

22-10-2011



Images of last Severe flood and landslide in Myanmar







ကလေး - ဖလမ်း - ဟားခါးလမ်း

မိုင် ၇၆/၂-ခုကြား ၆၀၀' လမ်းယာမိုင်ကျနေရာ





Ministry of Social Welfare, Relief and Resettlement

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graph TD; A[Ministry of Social Welfare, Relief and Resettlement] --> B[Department of Social Welfare]; A --> C[Relief and Resettlement Department];
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Department of Social Welfare

Relief and Resettlement Department

National Institution for Disaster Management

National Natural Disaster Management Committee

National Disaster Management Working Committee

Information Sub-committee

Emergency Communication Sub-committee

Initial Damage and Loss and Emergency Relief Sub-committee

Damage and Loss Confirmation Sub-committee

Transportation and Road Clearance Sub-committee

Mitigation and Emergency Shelter Sub-committee

Health Care Sub-committee

Security Sub-committee

Search and Rescue Working Committee

Recovery Coordination Working Committee

International Relations Working Committee

Disaster Management Law

- The Disaster Management law was ratified by National government on 31st July, 2013 and Disaster Management Rules were prescribed by Ministry of Social Welfare, Relief and Resettlement on 7th April, 2015.



Objectives

1. - To implement natural disaster management programmes systematically and expeditiously in order to reduce disaster risks
2. - To form the National Committee and local bodies in order to implement natural disaster management programmes systematically and expeditiously
3. - To coordinate with national and international government departments and organizations or international organizations and regional organizations in carrying out natural disaster management activities
4. - To conserve and restore the environment affected by natural disaster
5. - To provide health, education, social and livelihood programmes in order to bring about better living conditions for victims

Action on information from DMH

- RRD distributes the information to the public and also to the coordinating government agencies for preparedness.
- RRD does capacity building to the public about AL Nino, drought , flood and distribution about how to prepare and how to respond based on the data received from DMH.
- RRD is coordination with Department of Rural Development for possible water demand base on daily water uses by the villages and available water resources in them and prepare for water supply

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- RRD is coordination with also Ministry of Health notify and educate people for heat exhaustion and heat stroke through media to mitigate the impact.
 - RRD alert its staffs related to respond for rescue activities weather warning.
 - About climate services, RRD is coordination with all departments and UN, INGOS, NGOs and local organizations.

Public Awareness Programs on disaster risk reduction For Climate Services

- In order to be disaster resilience community which is full of knowledge on disaster risk reduction and keen to actively participate in such kind of activities in collaboration with the related departments and Organizations, Relief and Resettlement Department has been conducting the following public awareness activities:
 - Disaster Management Courses
 - Capacity Building Training on disaster risk reduction
 - High Level Advocacy workshop
 - Disaster Risk Reduction Youth Volunteer training
 - Multiplier and Refresher trainings
 - educative talks, etc.
 - Forming Disaster Reduction Youth Volunteer Forces effectively implement CBDRM activities.
 - Pamphlets and Posters
 - Drills, etc.

Capacity Building training for Government Officials



25.03.2010 15:22

Disaster Risk Reduction Workshop



Community based awareness program



Youth Volunteer Programme



Simulation Exercises and Drills



26.06.2010 12:39



တတိယအကြိမ်ဆူနာမီသတိပေးနှိုးဆော်ချက်ကြောင့် ကျေးရွာနေ ဗြည်သူများ Cyclone Shelter သို့ ခို့လို့ရန်မြေးလွှာနေပုံ

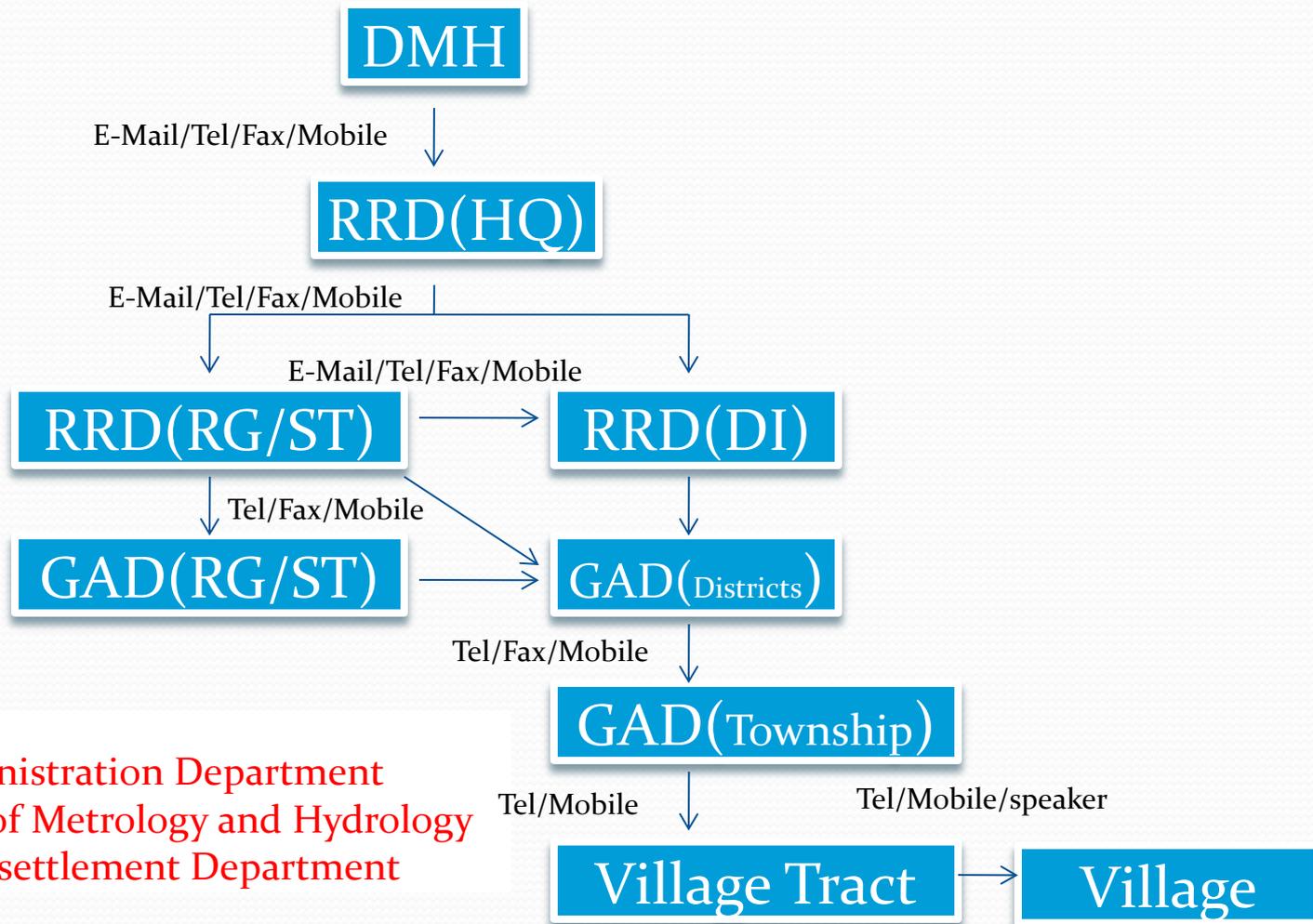


PHOTO NEWS

ဆူနာမီဘေးအန္တရာယ်ကျရောက်မီရှိတွင် ဘေးလွတ်ကင်းရှေးရာသို့ အပြန်ဆုံးပြောင်းရွှေ့ရောက်ရှိနိုင်မည့် နည်းလမ်းများကို ဖော်ထုတ်ရရှိရေးလှည့်ဖြတ် ပြောင်းပူမပါဝင်ဘဲ ဆူနာမီကြိုတင်သတိပေးလေ့ကျင့်ခန်းကိုဆောက်တိုဘာလ ၁၄ ရက်နေ့တွင် မွန်ပြည်နယ်အတွင်းလေ့ကျင့်ဆောင်ရွက်ခဲ့ကြောင်း သတင်းရရှိသည်။ အဆိုပါလေ့ကျင့်ဆောင်ရွက်မှုတွင် ပင်လယ်ကမ်းခြေရှိ ဖော်လမြိုင်မြို့နယ်ကျောက်တန်းရွာ၊ မေါင်မြို့နယ်အလုပ်ရွာ၊ သံဖြူဇရပ်မြို့နယ်တော်ခံဒမင်း၊ သိပ်ရွာ၊ ရေဖြူ၊ နယ်ဒမင်းရွာတို့တွင် ခေသနပြည်သူများအဖွဲ့အစည်းတို့ဖြင့် သရုပ်ပြလေ့ကျင့်ခဲ့ကြပြီး ကွန်မြူနယ်တို့တွင် ညွှန်ကြားသတင်းပေးမှု၊ ထပ်ဆင့်အသိပေးဆော်ကြံမှု၊ ဖြန့်လည်သတင်းပို့မှုတို့၏ အသွားအပြန်တို့ကို ခံစိန်မှတ်တမ်းယူမှုများဆောင်ရွက်ခဲ့ကြောင်း သိရသည်။

စက်တင်ဘာလ ၁၄ ရက်ကလည်း ဆိုနယ်သမ္မတအစည်းအရုံးဆီကလည်း ဆူနာမီကြိုတင်သတိပေးကြောင်း TABLE-TOP လေ့ကျင့်ခန်းကို ပြန်မာနိုင်ငံဆူနာမီဘေးအန္တရာယ် ကျရောက်နိုင်မည့် တနင်္သာရီတိုင်း၊ မွန်ပြည်နယ်၊ ရန်ကုန်တိုင်း၊ ဧရာဝတီတိုင်းနှင့်ရခိုင်ပြည်နယ်တို့တွင် ဆောင်ရွက်ခဲ့သည်။ မော်မော်ရွှေမြိုင်

Disaster Information Transmission Route



GAD - General administration Department
DMH - Department of Metrology and Hydrology
RRD - Relief and Resettlement Department

Activities for RRD

- Checking warehouse if there are enough number of rescue/ survival kits, and necessity to prepare food and drink supply.
- Suggesting DMH ,GAD,UN,INGOs, NGOs for an emergency meeting.
- Providing assistance to volunteer groups and another NGOs.
- Suggesting GAD to prepare Shelters.
- Explains to community to avoid misunderstanding for warning message.
- Ensuring the timely delivery of food, clothing and other aid supplies.
- Coordinating with authorities to set up disaster camps as soon as possible.

Needs for climate services

- Improvement of early warning system
- Qualified human resources
- Community awareness
- Promotion of community participation

Needs for users

- Dissemination the information quickly.
- Explaining the weather condition properly for the inquiry from the other organizations and community people.
- Suggesting the actions to be taken by the other organization based on the weather condition.

- Alert area
- Alert level
- Alert time
- Necessity to evacuate people
- Necessity to conduct activities related to evacuation.

End – to – End Early Warning System

- For effective disaster management system in Myanmar, Relief and Resettlement Department (RRD) is now collaborating with Meteorology and Hydrology Department and JICA for setting up end – to – end early warning system in Ayeyarwaddy Region and Rakhine state.



Establishment of EOC



To implement one sub-component of MAPDRR and to follow the AADMER, Myanmar has a plan to establish such kind of web-EOC by the technical assistance of Government of Japan through Japan-ASEAN Integration Fund (JAIF), USAID, WFP.

Emergency Operation Center(EOC-RRD)

In case of Emergency Situation,

- **provides the comprehensive solution to the decision makers by collecting necessary data and information for effective response.**
- **supports for emergency management, response and logistic through information sharing on network and quick decision making.**

Emergency Operations Center (EOC)

- EOC has been operating since 31st July, 2015
- Lead during disaster incident by Permanent Secretary, Ministry of Social Welfare, Relief and Resettlement (Secretary of National Disaster Management Working Committee)
- Continuous monitoring and assessment of last flood is maintained by Relief and Resettlement Department, cooperation with DMH, AHA Centre, UN agencies, MIMU, MRCS, WFP, INGOs

Emergency Operation Center (EOC)

- ✓ Reporting daily weather information
- ✓ Monitoring and evaluating river water level and disaster situation
- ✓ Providing necessary data and information to decision makers for effective emergency response



(RD) and gave guidance during the emergency
mod of current flood

Disaster Management Training Centre

- Disaster Management Training Center was opened on 4 Dec, 2015,
- Conduct to reduce natural disaster risk course
- Study in Training course and Diploma course for natural disaster management
- Trainees are to understand hazard profile of Myanmar and Globalization, climate change and services.





THANK YOU FOR YOUR KIND ATTENTION

