

Introduction to Disaster Risk Management

- Disaster - “A serious disruption in the functioning of the community or a society causing wide spread material loss”
- Disaster is a result from the combination of Hazards and vulnerability
$$\text{DISASTER} = \text{HAZARDS} * \text{VULNERABILITY}$$
- Disaster Risk Management (DRM) includes almost all kinds of activities, which includes strength and also non-structural actions to prevent hazards .

TYPES OF DISASTERS

NATURAL
DISASTERS

FLOODS

EARTHQUAKES

WINTER STORMS AND COLD

LANDSLIDES

TSUNAMIS

MAN INDUCED
DISASTERS

CIVIL DISORDER

ARSON

CRIME

WAR

TERRORISM

Components of Disaster Management

1. Preparedness
2. Response
3. Recovery
4. Prevention



Disaster Preparedness

- ✓ It involves measures to ensure that communities and services are capable of coping with the effect of disaster.
- EXAMPLES
 1. Community awareness and education
 2. Proper warning system
 3. Mutual aid arrangement
 4. Mock drill, training practice

Disaster Response

- ✓ It involves measures taken in anticipation of, during and immediately after a disaster to ensure that the effects are minimized.

Disaster Recovery

✓ It involves measures, which support emergency affected areas in reconstruction of the physical infrastructure and restoration of economic and emotional well being.

EXAMPLES

1. Restoring services like roads, communication link
2. Providing financial support employment
3. Reconstructing damaged buildings

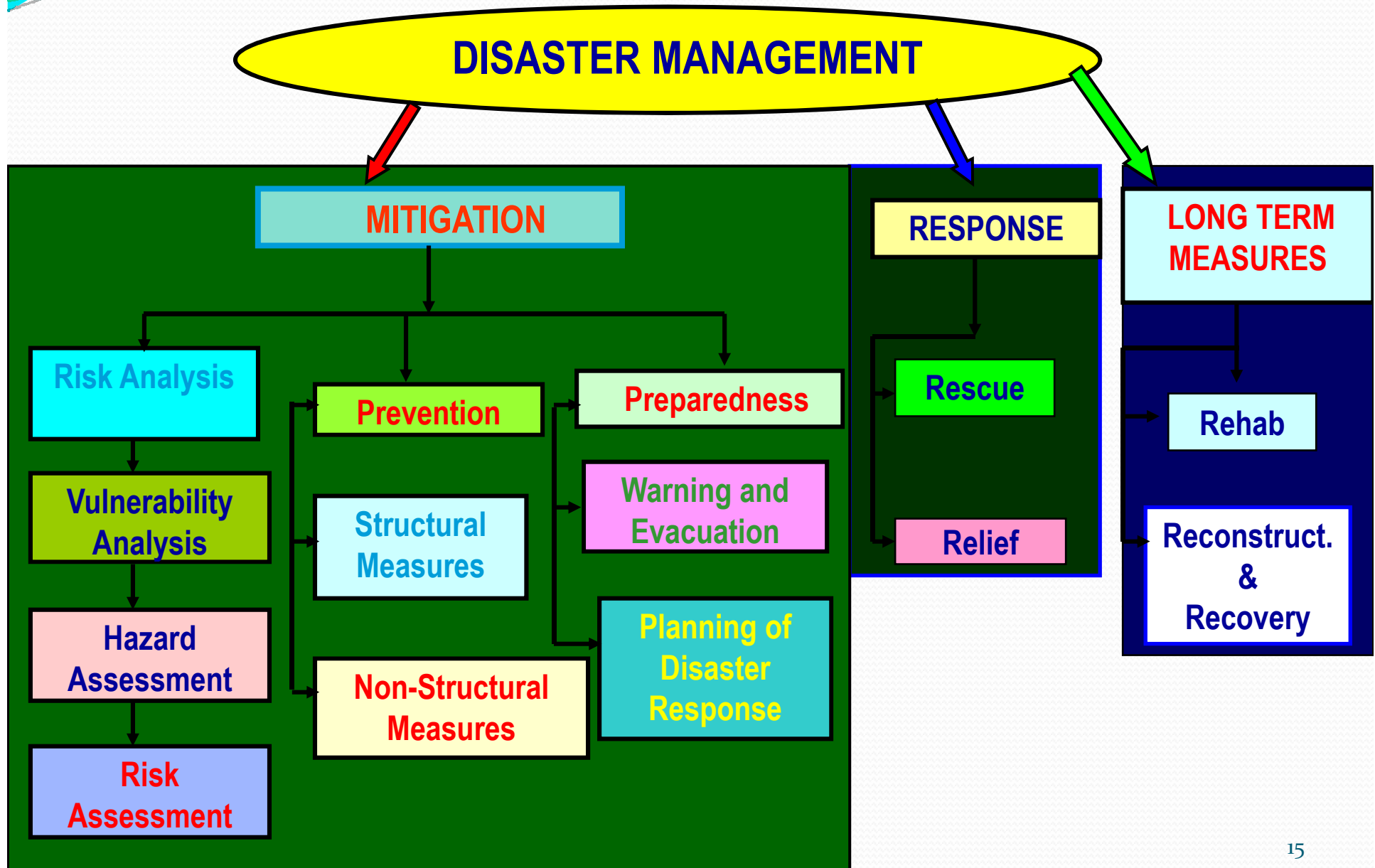
Prevention and Mitigation

- ✓ It involves measures to eliminate or reduce the incidence or severity of disasters.

- EXAMPLES :
 1. Preventing habitation in risk zones

 2. Disaster resistant buildings

DISASTER MANAGEMENT CONTINUUM



Disaster Management Act, 2005

- In order to Coordinate Central Govt efforts in Preparedness, Prevention, Response, Mitigation, Relief and Rehabilitation and for adoption of a Holistic Pro-active Approach to Disaster Management.
- **NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA)** has come into being by an Act of Parliament in 26th December 2005 under the Chairmanship of Prime Minister as the **NODAL AGENCY** for Disaster Management in the Country
- This act has provided the legal and institutional framework for disaster management in India at the **National, State and District levels.**

NATIONAL DISASTER MANAGEMENT STRUCTURE

GOVT OF INDIA

