GE8071- DISASTER MANAGEMENT

INSTITUTIONAL ARRANGEMENTS

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INSTITUTIONAL ARRANGEMENTS

India’s disaster reduction strategy

- Mitigation framework
- Techno-legal regime
- Relief and DM code
- Risk financing and insurance
- Vulnerability reduction fund, relief and rehabilitation

Policy, regulation and code

Space and IT to harmonise between all three

NATIONAL RESPONSE MECHANISM

A paradigm shift from relief and recovery to disaster preparedness

Institutional framework
- Institutional re-engagement
- State DM authorities
- Empowering community-based institutions.

Approach:
- Top-down: routed through policy, institution and technology regimes
- Bottom-up: indigenous coping mechanisms, community-based disaster management

Technology matrix
- Early warning systems
- Information and knowledge systems
- Communication infrastructure
INSTITUTIONAL ARRANGEMENTS

- Mitigation
- Response
- Preparedness
MITIGATION
MITIGATION

- **Mitigation** is the effort to reduce loss of life and property by lessening the impact of **disasters**.

- In order for **mitigation** to be effective, we need to take action now—before the next **disaster**—to reduce human and financial consequences later (analyzing risk, reducing risk, and insuring against risk).
## MITIGATION

**Disaster Management**
- Explains phases of disaster management system, emergency and risk management concepts
- Recognizes the stakeholders in disaster management system, their jurisdiction and responsibilities
- Verifies the risk transfer methods.
- Practices the Incident Command System
- Explains the legislation of disaster management system in Turkey
- Makes SWOT analysis and their applications.

**Disasters and Mitigations**
- Knows the types of disasters, samples and the distribution of disaster in the world and in Turkey,
- Knows vulnerability, the relationship between urbanization and disasters, mitigation, Earthquake Hazard Hunt and Family Disaster Preparedness Plan,
- Knows Earthquake Prediction Research, Early Warning and Rapid Response System, Seismic Structural Awareness and Non-Structural Hazards Mitigation
- Knows the concepts of Fire-fighting and prevention measures Mitigation Measures, Community Disaster Volunteers and business continuity.
RESPONSE

PHASES OF DISASTER MANAGEMENT

Mitigation Phase
- Public Education and Awareness
- Hazard and Vulnerability Assessment
- Improved Infrastructure

Preparedness Phase
- National Emergency
- Telecommunication and Response Plans
- Training and Exercises
- Early Warning
- Standard Operating Procedures

Response Phase
- Communication and Coordination
- Saving Lives

Recovery Phase
- Restoring Telecommunications Infrastructure
- Improving Lives Recovery and rehabilitation of other services

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RESPONSE
Response and Rescue

National Disaster Response Force (NDRF)
Composition: 10 battalions

Tasks-
Specialized Response during disasters.
Well equipped and trained in search and rescue.
Assist in Community Training & Preparedness.
Impart basic and operation level training to SDRF.
Proactive Deployment during impending disaster situations.
Liaison, Rehearsals and Mock Drills.
PREPAREDNESS

Co-ordination of a variety of sectors to carry out:

- Evaluation of the risk.
- Adopt standards and regulations.
- Organize communication and response mechanism.
- Ensure all resources - ready and easily mobilized.
- Develop public education programmes.
- Coordinate information with news media.
- Disaster simulation exercises.
PREPAREDNESS

Preparedness
The arrangements and systems to ensure that communities are prepared should an emergency occur and that all these resources and systems which are needed to cope with the affects can be efficiently mobilised and deployed.

Response
The actions taken in anticipation of, during, and immediately after, an emergency or disaster to ensure that all the impacts are minimised and that people affected are given immediate relief and support.

Early Recovery
Coordinated processes for post-crisis recovery that are resilient and sustainable, encompassing the restoration of basic services, livelihoods, transitional shelter, security, environment and other socio-economic dimensions including reintegration of displaced populations.
**DISASTER PREPAREDNESS**

- PLAN AND PREPARE FOR DISASTERS. PREPAREDNESS IS DEFINED BY DHS/FEMA AS "A CONTINUOUS CYCLE OF PLANNING, ORGANIZING, TRAINING, EQUIPPING, EXERCISING, EVALUATING, AND TAKING CORRECTIVE ACTION IN AN EFFORT TO ENSURE EFFECTIVE COORDINATION DURING INCIDENT RESPONSE."