



# National Policies, Framework and Strategies in DRR : Indian Experience

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# Management of Disasters in India



Till 2001

- Responsibility with the Ministry of Agriculture

May 2005

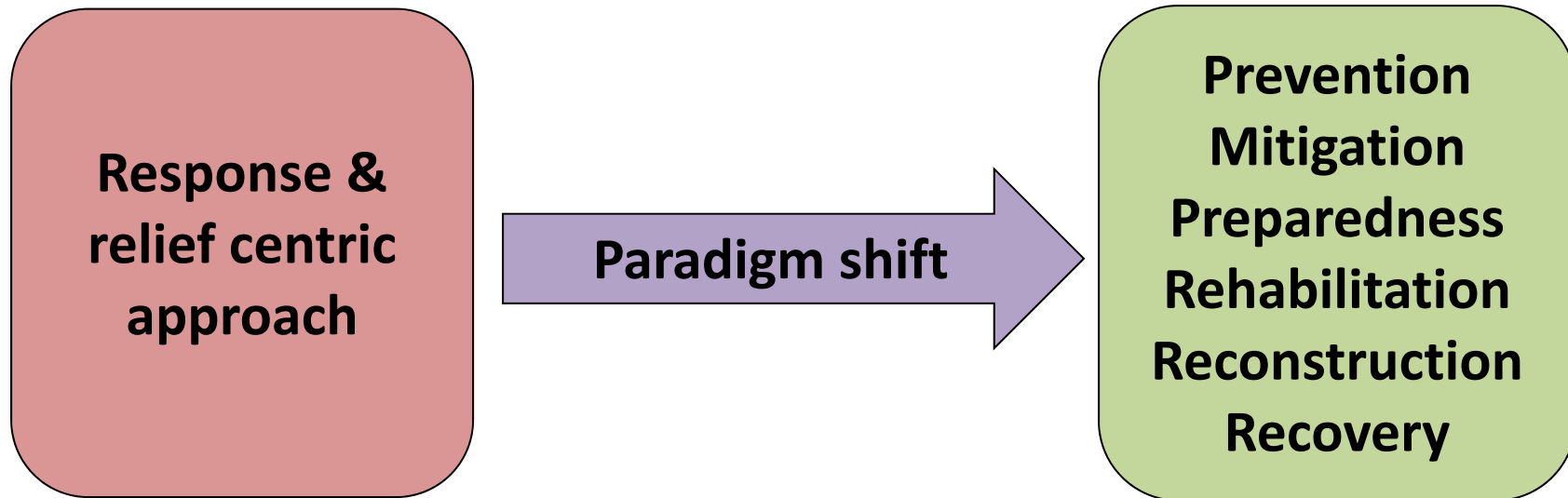
- NDMA constituted with Executive Order

Dec 2005

- The DM Act passed



# Disaster Management Act 2005



**Legal & institutional framework at National, State & District level**

**Policy formulation backed by statutory & financial support**

**Mainstreaming of multi-sectoral DRR concerns**



# DM Framework at National Level



## NDMA

- Apex Authority providing strategic leadership
- Lay down Policies, Plans and Guidelines.
- Coordinate enforcement & implementation of the policy & plans
- Mainstream DRR
- Undertake measures for prevention, mitigation, preparedness and capacity building.

## NEC

- Under Home Secretary with Secretaries of 14 Ministries and Chief of IDS



# DM Framework at National Level



## Ministries and Departments of GoI

- Take measures for prevention of disasters, mitigation, preparedness and capacity building
- Integrate measures for prevention or mitigation of disasters into their development plans and projects
- Prepare DM Plan and update annually
- Allocate funds for undertaking activities under its DM Plan

## NDRF

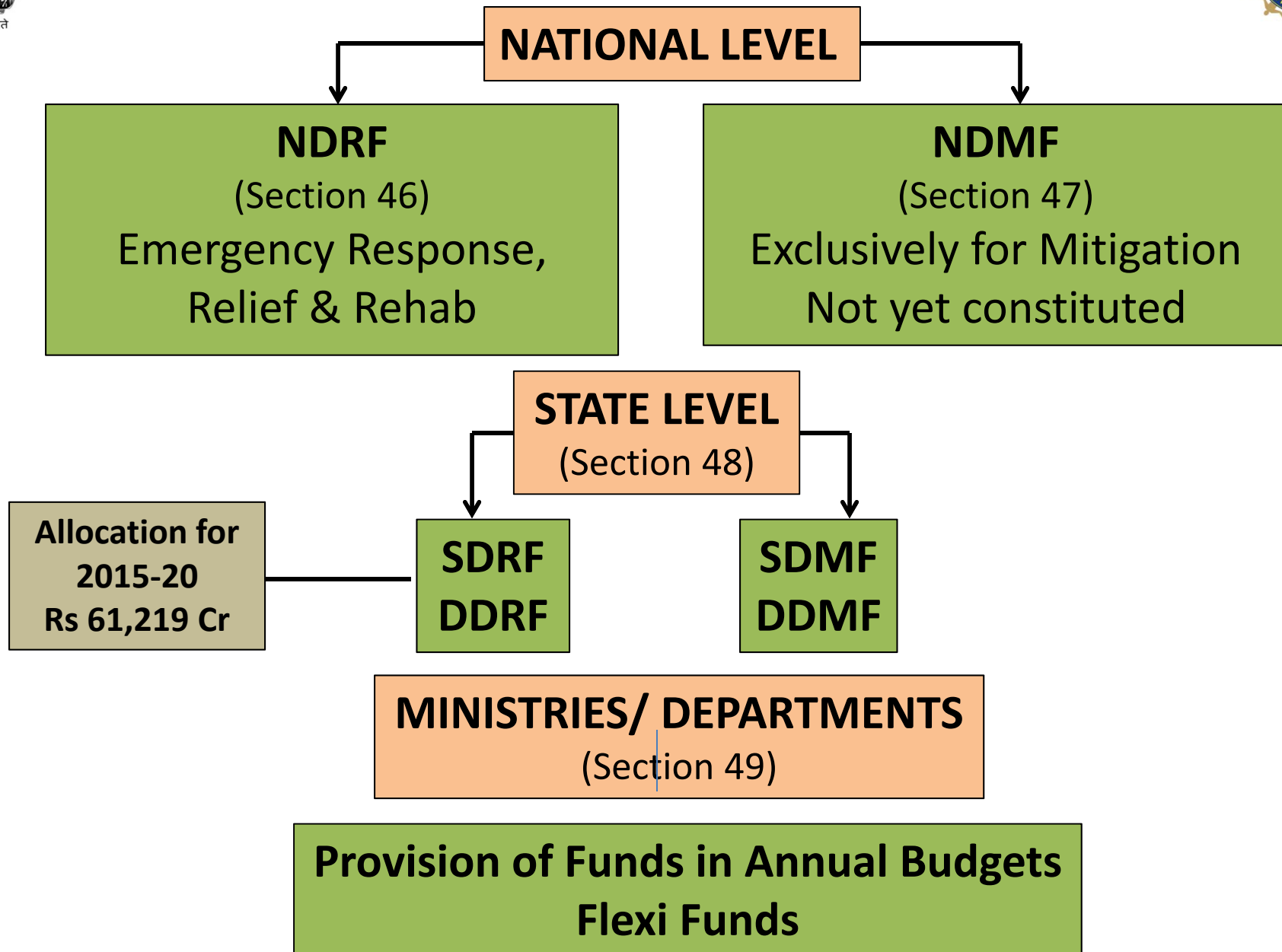
- Largest dedicated DR Force in the world with **12** Battalions
- Community training in peace time.

## NIDM

- Capacity Building through Training, Research and Documentation



# Financing Disaster Management





# Major Disaster Management Initiatives



Policy, Plan and Guidelines

Major Mitigation Projects  
NCRMP, NSSP

Capacity building and Training Programmes

Coordination with Ministries/States/ DM Stakeholders

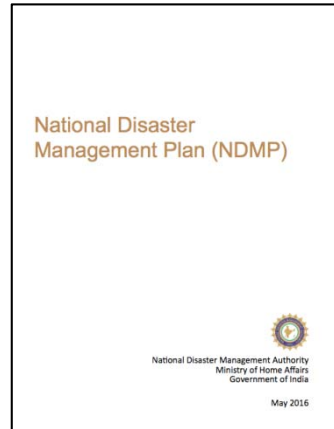
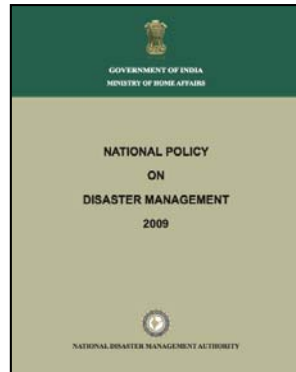
Mock Drills/Simulation Exercises

Information Education & Communication (IEC)

International Cooperation in DR & DRR



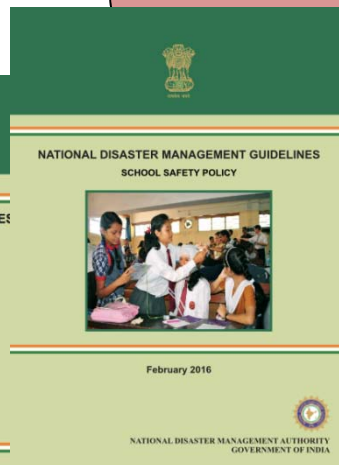
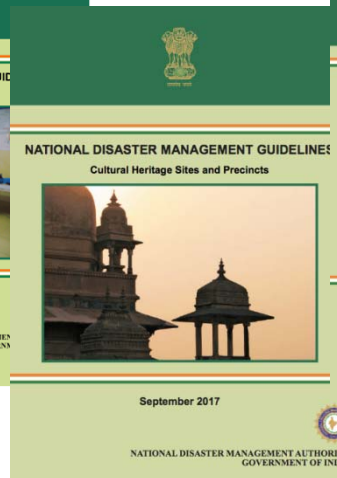
# Policy, Plans and Guidelines



**National Policy (2009)  
DM Framework**

**National Plan (2016)  
Aligned to SFDRR  
Details roles & responsibilities of  
stakeholders**

**25 National Guidelines  
15 Reports, 6 Studies**





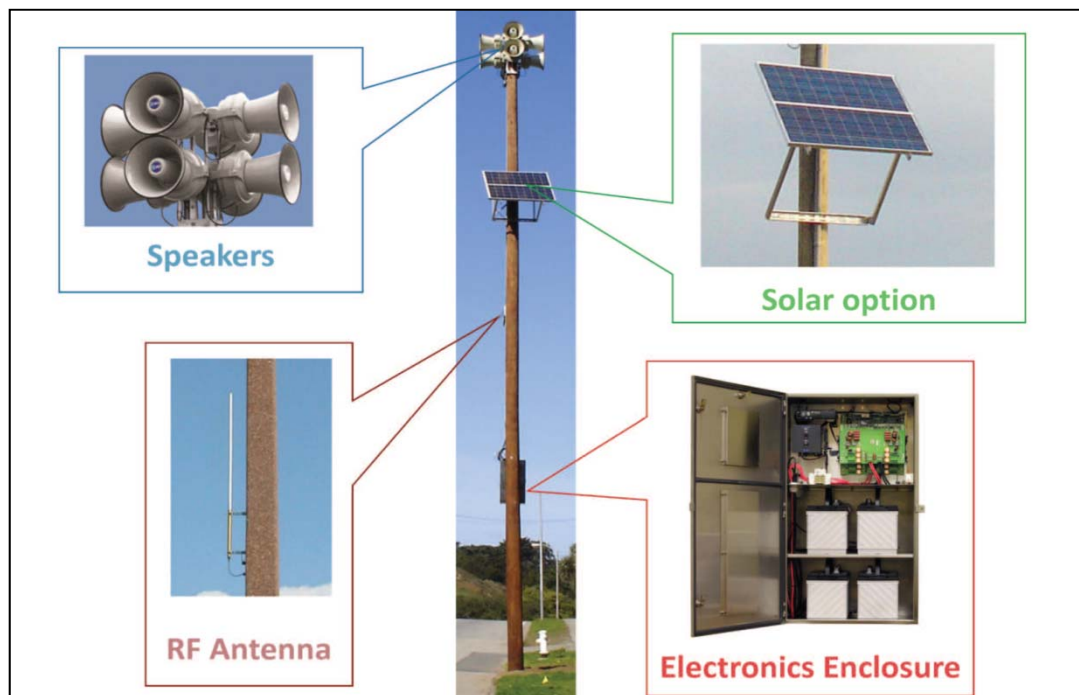


# National Cyclone Risk Mitigation Project



## GOAL

- Undertake Structural & Non –Structural Measures to mitigate effects of cyclones



## ALERT TOWERS

**Early Warning System  
&  
Last Mile Connectivity**



# NCRMP – Infrastructure Creation



**Multi Purpose Cyclone Shelters**

**Bridges**



**Saline Embankments**

**Connecting Roads**





# NCRMP – Community Capacity Building







# National Cyclone Risk Mitigation Project



## PHASE 1 : 2011-2018

- Rs 2542 Crores
- 401 Cyclone Shelters
- 765 km Roads
- 24 Bridges
- 12 Saline Embankments
- Andhra Pradesh & Odisha

## PHASE 2 : 2015-2020

- Rs 2361 Crores
- 22 Cyclone Shelters
- 100 km Roads
- Rest of the Coastal States





सत्यमेव जयते

# National School Safety Program (NSSP)



## A Pilot Initiative

- **8600** Schools
- **43** Districts
- **22** States/UTs  
(Seismic Zone IV & V)
- **Yr 2011-2017**

Training Modules & IEC Material  
Teachers trained as Master Trainers  
School DM Plans & Mock Drills  
Non-Structural Measures  
Demonstrative Retrofitting





# AAPDAMITRA – Friends in Disaster



2016-2019

Training of Community Volunteers in Flood response

30 Districts of 25 flood prone States

874 volunteers trained - 5 Project States





# Capacity Building & Training Programs



S.No	Project	Details
1	Sustainable reduction in disaster risk (SRDR) [2016-2019]	CBDRR in <b>10</b> multi hazard prone districts - <b>5</b> States
2	IAS and Central Officers- LBSNAA [2013-2020]	<b>3378</b> Officers trained
3.	NDMA-IGNOU Initiative with PRIs and ULBs [2010-2013]	<b>11</b> States; <b>54</b> districts, <b>16479</b> participants, <b>4623</b> women participants
4	Trauma Life Support [2012-2013; 2016-2017]	Trained doctors, nurses and paramedics
5	Strengthening of SDMAs/ DDMAs [2015-2018]	DRM Professionals in <b>34</b> SDMAs and <b>239</b> DDMAs





# Capacity Building & Training Programs



S.No	Project	Details
6	National Disaster Management Services (NDMS) [2016-18]	Satellite based fail-safe Communication Network - <b>120</b> locations – VSAT installed in <b>108</b> locations
7	Earthquake Disaster Risk Indexing (EDRI) [2016-2017]	<b>50</b> important cities & <b>1</b> District in Seismic Zone IV & V
8.	Mobile Radiation Detection System (MRDS) [2014-19]	<b>Equipping</b> police and NDRF personnel
9	Rapid Visual Screening (RVS) [3 months - 2018]	Standardized <b>RVS methodology</b> for buildings
10	GIS Server and creation of Geo-Database in NDMA [2016-2018]	<b>GIS Server</b> established; the collection and collation of database in progress





# Simulation & Mock Exercises



**676+ Mock Exercises**



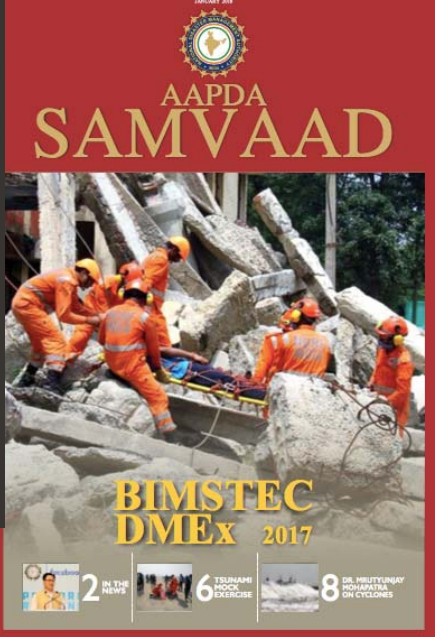
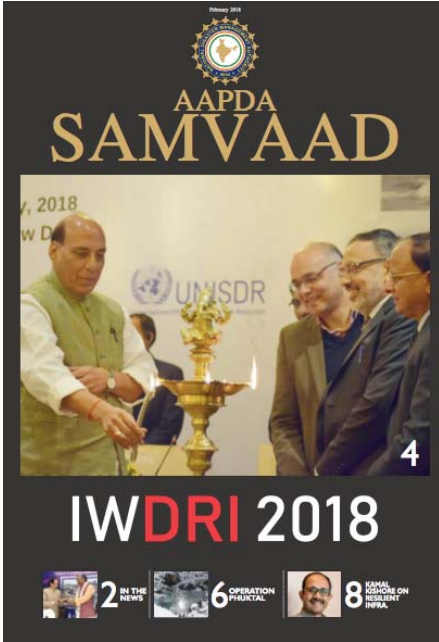


# Information, Education & Communication (IEC)



- Awareness Campaigns**
- Print
  - Electronic
  - Radio

**NDMA Newsletter**



**Sensitization on Management of Heatwaves, Sendai Monitor, etc.**





# International Cooperation for DR & DRR



## RELIEF & RESPONSE SUPPORT

Nepal, Equador, Fiji, Srilanka ,etc.

## JOINT EXERCISES

- SAARC – SAADMEx ( 2015)
- BIMSTEC DMEx ( 2017)
- SCO ( 2019)

## CONFERENCES/POLICY WORKSHOPS

- Asian Ministerial Conf on DRR (Nov 2016)
- Meeting BRICS Ministers for DM (Aug 16)
- Disaster Resilient Infrastructure (Jan 18)
- India – Japan Workshop on DRR (Mar 18)



## TRAINING

Tsunami Preparedness Training Programme for Pacific Island Countries ( Nov 2017)



# Future Schemes and Initiatives



Monitoring the Implementation of NDMA Guidelines

Comprehensive National Earthquake Risk Mitigation Project (CNERMP)

Landslides Risk Management Programme

Safe Schools (2.0)

Coalition for Disaster Resilient Infrastructure

Setting up of Disaster Database

HRVA

Scoping Study on Climate Change

India Disaster Report



**Thank you!**

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