



Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
Islamabad



NDMA INPUT FOR ASEAN REGIONAL FORUM (ARF) ANNUAL SECURITY OUTLOOK 2018

Overview

National Disaster Management Authority (NDMA) is the lead agency at the Federal level to deal with whole spectrum of Disaster Management Activities. It was raised in 2007 through NDM Ordinance and was finally provided parliamentary cover by an act of Parliament in 2010. It is the executive arm of the National Disaster Management Commission (NDMC), which was established under the Chairmanship of the Prime Minister, as the apex policy making body in the field of Disaster Management. NDMA aims to develop sustainable operational capacity and professional competence to coordinate emergency response of federal government in the event of a national level disaster.

Disaster Management (DM) Structure

1. Disaster Management is a **devolved subject and fundamental responsibility to manage the disasters rests with provinces**. NDMA acts as a national backup support for provinces. Disaster Management structure in Pakistan is comprised of three tiers:-

- a. **Federal Level.** At national level, NDMA acts as a backup support for Provincial / District authorities, i.e. PDMA's and DDMA's.
- b. **Provincial Level.** Being at intermediate level, plays an important role to support districts authorities and carry out coordination with NDMA for expeditious delivery of rescue / relief support to the affected areas.
- c. **District Level.** It is the terminal end or the place of delivery to the affected population. As of now, it is the weakest link in the chain of Disaster Management system because provinces have not been able to fully energize this organization at district level.

Likely Hazards

2. Pakistan has Topographical and Climate Contrasts which invite a variety of hazards. These hazards are broadly of three types as under:-

- a. **Hydro-Meteorological Hazards.** Flash Floods, Urban Floods, Riverine Floods, GLOF, Avalanches, Drought and Cyclones.
- b. **Geological Hazards.** Earthquake, Landslides and Tsunami.

- c. **Manmade Hazards**. Industrial Accidents, Oil Spills, Fires, Epidemics / Pandemics, Displacements and Air Crash.

Policies, Plans and SOPs

3. NDMA has formulated following National Policies, Plans, Guidelines and SOPs as per its assigned mandate which are regularly monitored / updated for implementation:-

- a. National Disaster Risk Management Framework (NDRMF) 2007-2012.
- b. National Disaster Response Plan (NDRP) 2010.
- c. Disaster Risk Management Needs Assessment Report 2012.
- d. National Disaster Management Plan (NDMP) 2013-2022.
- e. National Disaster Risk Reduction (DRR) Policy 2013.
- f. National Plan for Industrial / Technical Disasters.
- g. Annual Monsoon Contingency Plans (Federal & Provincial) 2010 – 2017
- h. National Drought Mitigation and Response Plan.
- i. National Policy Guidelines on Vulnerable Groups in Disasters.
- j. National Gender & Child Cell Framework 2013.
- k. Pakistan School Safety Framework 2016.
- l. Causes and Prevalence of Early and Forced Marriages in Disasters, 2014.
- m. Training Manual on Gender Mainstreaming in Disaster, 2014.
- n. SOPs on Separated, Unaccompanied and Missing Children in Disasters.
- o. Child Protection in Emergencies Trainers Manual.
- p. Study on the Impacts and Future Line of Action relating to Heat Wave in Karachi, Sindh- June 2015
- q. National Fire & Life Safety Provisions 2016
- r. SOP for Air Crash Handling.
- s. National Maritime Disaster Contingency Plan.
- t. Mobilization of Voluntary Emergency Response (MOVERE) Guidelines.
- u. Government Officials Emergency Response Exercise (GOERE) Guidelines.
- v. Multi Hazard Vulnerability Risk Assessment (MHVRA) Guidelines.
- w. Formulation of Disaster Risk Insurance Framework.
- x. National Multi-Sector Initial Rapid Assessment (MIRA) Guidelines.

4. **Disasters Managed – 2007 till 2017**

Ser	Year	Type of Disaster	Provinces Affected
a.	2005	Earthquake	KP, AJ&K and Punjab
b.	2007	Cyclone	Sindh
c.	2008	Flash Floods	Punjab, Sindh, KP, Balochistan and FATA
d.		Earthquake (Ziarat)	Balochistan
e.	2009/10	Displaced Persons (Malakand)	Khyber Pakhtunkhwa
f.	2010	Cyclone	Sindh
g.		Floods	Punjab, Sindh, KP, Balochistan, GB & AJ&K
h.	2011	Floods	Balochistan, Sindh
i.	2012	Floods	Punjab, KP, Sindh, Balochistan, AJ&K, GB
Ser	Year	Type of Disaster	Provinces Affected
j.	2013	Earthquake (Mashkhel)	Balochistan
k.		Earthquake (Awaran)	Balochistan
l.		Floods	Punjab, Sindh, KP, FATA, Balochistan, AJ&K
m.	2014	Drought	Sindh
n.		Floods	Punjab, GB, AJ&K
o.	2015	Mini Tornado	KP
p.		Heat Wave	Sindh (Karachi)
q.		Floods	Punjab, Sindh, Balochistan, KP, AJ&K, GB, FATA
r.		Earthquake	KP, FATA, AJ&K, GB
s.	2016	Heavy Rains	Punjab, KP, GB and AJ&K
t.	2016	Monsoon 2016	Punjab, KP, GB, AJ&K, Balochistan, Fata
u.	2016	Air Crash	KP
v.	2017	Winter Heavy Rains/Snowfall	Balochistan, AJ&K, KP and GB

5. **Disaster Response Activities**

- a. **Winter Snow Fall Season – 2017**. Pakistan Meteorological Department (PMD) issued an advisory on 11 January 2017 predicting rain with snowfall over hills in Balochistan, KP, FATA, Upper Punjab, GB & Kashmir. On 14 January 2017, due to heavy Rain / Snowfall in areas of Balochistan, some highways and link roads were blocked and accessibility to remote areas was severely impeded. Following actions were undertaken by NDMA:-
- (1) Based on PMD's advisory, all PDMAs and relevant stakeholders were sensitized for proactive coordination and necessary precautionary measures.
 - (2) NHA was asked for pre-positioning of heavy earth moving machinery at identified vulnerable locations in the Country.

- (3) On the request of PDMA Balochistan, NDMA coordinated 5x Heli sorties from Mol for Relief & Rescue Operation in remote areas of Balochistan from 18 – 20 January 2017. Details are:-

Serial	Date	Area
(a)	1 st Sortie (18 January 2017)	Tehsil Dasht, District Mastung
(b)	2 nd Sortie (18 January 2017)	Tehsil Zarghoon Ghar, District Harnai & Toba Kakar District Killa Abdullah
(c)	3 rd Sortie (19 January 2017)	Mangochar, District Kalat
(d)	4 th Sortie (19 January 2017)	Muslim Bagh, District Killa Saifullah
(e)	5 th Sortie (20 January 2017)	Mantanoo, Tehsil Gulistan, District Killa Abdullah

- b. **Avalanche at Chitral.** On 5 February 2017 at 0230 hours, an Avalanche triggered at Shershal UC Karimabad, Tehsil Garam Chashma, District Chitral, KP. 22x houses were affected, 6x houses came under the avalanche claiming 9x dead and 3x injured. On the request of PDMA KP, **NDMA coordinated with Local Administration, Pakistan Army and Frontier Corp KP for Search & Rescue/ Relief operation for rendering First Aid to the injured and recovery of Dead Bodies.** NDMA also coordinated 5x helicopter sorties from Aviation assets of Anti-Narcotic Force for Rescue & Relief operations in inaccessible areas of Astore Pasti, Madakh Lasht, Garam Chashma, Tehsil Mastuj and surrounding remote areas of Chitral. **40 x stranded people (patients, female & children) were rescued and 7.4 Tons of Relief items including Food Items (flour, Rice etc) and Non Food Items (tents, blankets, warm clothes and medicines) were distributed in these areas.**
- c. **SMS Alerts about Heat Waves.** NDMA, PMD and PDMA's closely monitored/ assessed changing weather pattern for possibility of heat waves during Pre-Monsoon period. Some of the indicators projected possibility of heat wave in Karachi and Southern Punjab. To ward off potential heat waves hazards, NDMA in close collaboration with PTA, PDMA Punjab and Cellular Mobile Companies issued SMS Alerts in Bhakkar, Layyah, Dera Ghazi Khan, Rajanpur, Rahim Yar Khan, Bahawalpur and Muzaffargarh districts. These

mitigation measures timely sensitised the vulnerable population. No heat wave casualties were reported during the period.

6. **Overseas Relief**. On 12 November 2017, an Earthquake of 7.3 Magnitude on rector scale jolted the bordering regions of Iran and Iraq. On the directive of Prime Minister of Pakistan; on 17 November 2017, NDMA in coordination with Pakistan Air Force dispatched 1x C-130 Plane carrying Humanitarian Assistance (Non Food Items) for earthquake affectees of Iran.

7. **Bilateral & Regional Linkage**
Bilateral Linkages

Ser	Country	Status
(1)	Republic of Korea	Signed in September 2012
(2)	Turkey	Signed in December 2013
(3)	Sri Lanka	Signed in April, 2015
(4)	Kyrgyz Republic	Signed in May, 2015
(5)	Cuba	Signed in July, 2017
(6)	Kazakhstan	Signed in June, 2018
(7)	Afghanistan	Under Process
(8)	China	Under Process
(9)	Azerbaijan	Under Process

Regional Linkages

Ser	Country/Organization	Status
(1)	Shanghai Cooperation Organization	Signed Protocol of SCO related to Disaster Management
(2)	SAARC Agreement on Rapid Response to Natural Disaster Turkey	Active Since 09 th September, 2016
(3)	Economic Cooperation Organization	Active Member of ECO for Disaster Management Activities.
(4)	DM-CBM under HOA	Pakistan is Co-Lead of Disaster Management Confidence Building Measure under Heart of Asia-Istanbul Process
(5)	SAARC Disaster Management Center	Pakistan is active member of Interim Unit of SAARC Disaster Management Center, Gujarat, India.
(6)	SAARC Environment & Energy Center	NDMA Played important role in finalizing TORs of SAARC Environment and Energy Center to be established in Pakistan.