



Understanding Disasters & Disaster Management

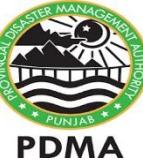
PROVINCIAL DISASTER MANAGEMENT AUTHORITY, PUNJAB, PAKISTAN

26-27, 2025

Hameed Ullah Malik



Determinants of life



- **Food**
- **Water**
- **Light**
- **Temperature**
- **Shelter**

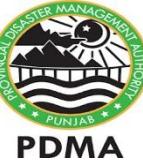


Defining the Terms

- **Hazard**
- **Exposure**
- **Vulnerable**
- **Coping Capacity**
- **Disaster**



Types of Disasters



- **Natural**

- **Floods**
- **Droughts**
- **Epidemics**
- **Tornados**
- **Earthquake**
- **Locust**
- **Wild fires**



Types of Disasters



- **Humanly Induced**

- **Urban Flooding**
- **Chemical**
- **Air pollution**
- **Smog**



STRATEGIC FRAMEWORK



Relief



Resilience

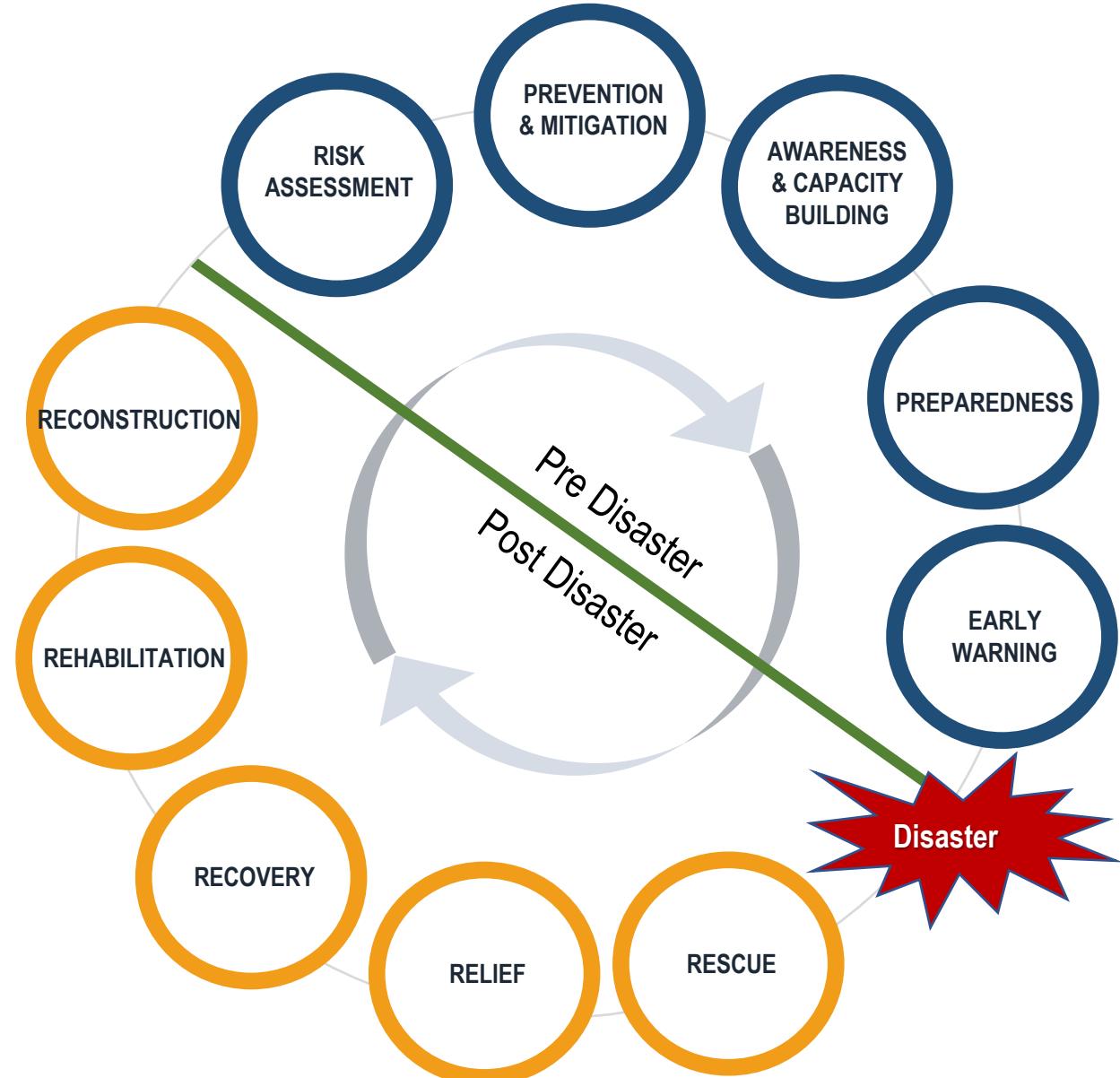
Sendai Framework for Disaster Risk Reduction 2015-2030

Understanding Disaster Risk

Strengthening Disaster Risk Governance to Manage Disaster Risk

Investing in Disaster Risk Reduction for Resilience

Enhancing disaster risk preparedness for effective response, recovery rehabilitation, and reconstruction





HAZARDS PROFILE OF PUNJAB



RIVER MAP

FLOOD VULNERABLE
AREAS CATEGORY A

FLOOD VULNERABLE
AREAS CATEGORY B

FLOOD VULNERABLE
AREAS CATEGORY C

URBAN / FLASH
FLOOD

SMOG

HILL TORRENT
PRONE AREAS

LOCUST PRONE
AREAS

DROUGHT PRONE
AREAS

HEATWAVE

PUNJAB MAP





Activity Calendar



S#	ACTIVITIES	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Responsibilities
1	Punjab Monsoon Contingency Plan 2023					PDMA 15 th June								PDMA, Departments, DCs
2	District Disaster Management Plan					All DDMAs 15 th May								DDMAs
3	Departmental Contingency Plans					All Departments 15 th May								All Secretaries
4	Mock Exercises					1 st in May		2 nd in June						PDMA, DCs, DRF
5	DDMA Meetings	All 36 DDMAs; Every Month												DCs
6	Rationalization of Demand					PDMA + All DDMAs 15 th June								PDMA, DRF, DCs
7	Inspection of District Flood Fighting Equipment					All DDMAs 30 th May								Commissioners, DCs, DRF, PDMA
8	Army Survey Board (Inspection of Flood fighting Equip. Available with Pak Army)				Starts in April till 15 th June									PDMA, All Corps
9	Operationalization of Control Rooms/DEOCs					PDMA + All DDMAs 1st May to 15th October								PDMA, DCs
10	SOPs on Urban Flooding					Circulated to all DCs, DDMAs for Compliance								HUD&PHED



Activity Calendar



S#	ACTIVITIES	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Responsibilities
11	Pre-Qualification of Vendors (Food Hampers and Transportation)					PDMA + All DDMAs 15 June								PDMA, DCs
12	Establishment of Flood Forecasting Center					PMD (FFD) Lahore + PID 15 th June to 15 th October								PDMA, Irrigation, MET
13	Monsoon Seasonal Weather Forecast from PMD						1 st Week of June							MET
14	Inspection of Flood Protection Bunds (Joint Survey by Army, irrigation, DDMAs)			PID + All DDMAs Starts in March till 10 th May										Army, Irrigation, DCs
15	Removal of Encroachments (Water Ways, Culverts, Zamindara Bunds)					All DDMAs + PID + Police. 30 th June								DCs, Irrigation
16	De-Silting of Nullahs, Water Channels, , Bridges etc.			All DDMAs + WASAs + Metropolitan Corporation / Municipal Committees / District Councils. De-silting starts in March and ends at 15 th June										DCs, WASAs, MCs
17	Readiness Certificates vis-à-vis Functionality of flood fighting equipment					All Commissioners + All DDMAs + LG & CD, C&W, Housing, Irrigation, Primary Healthcare and Specialized Healthcare Departments								Commissioners, DCs, MCs, 1122, C&W, Housing, Irrigation, P&SHD, SHC & MED

THANK YOU