



# **Understanding Disasters & Disaster Management**

**PROVINCIAL DISASTER MANAGEMENT AUTHORITY, PUNJAB, PAKISTAN**

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# 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**

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

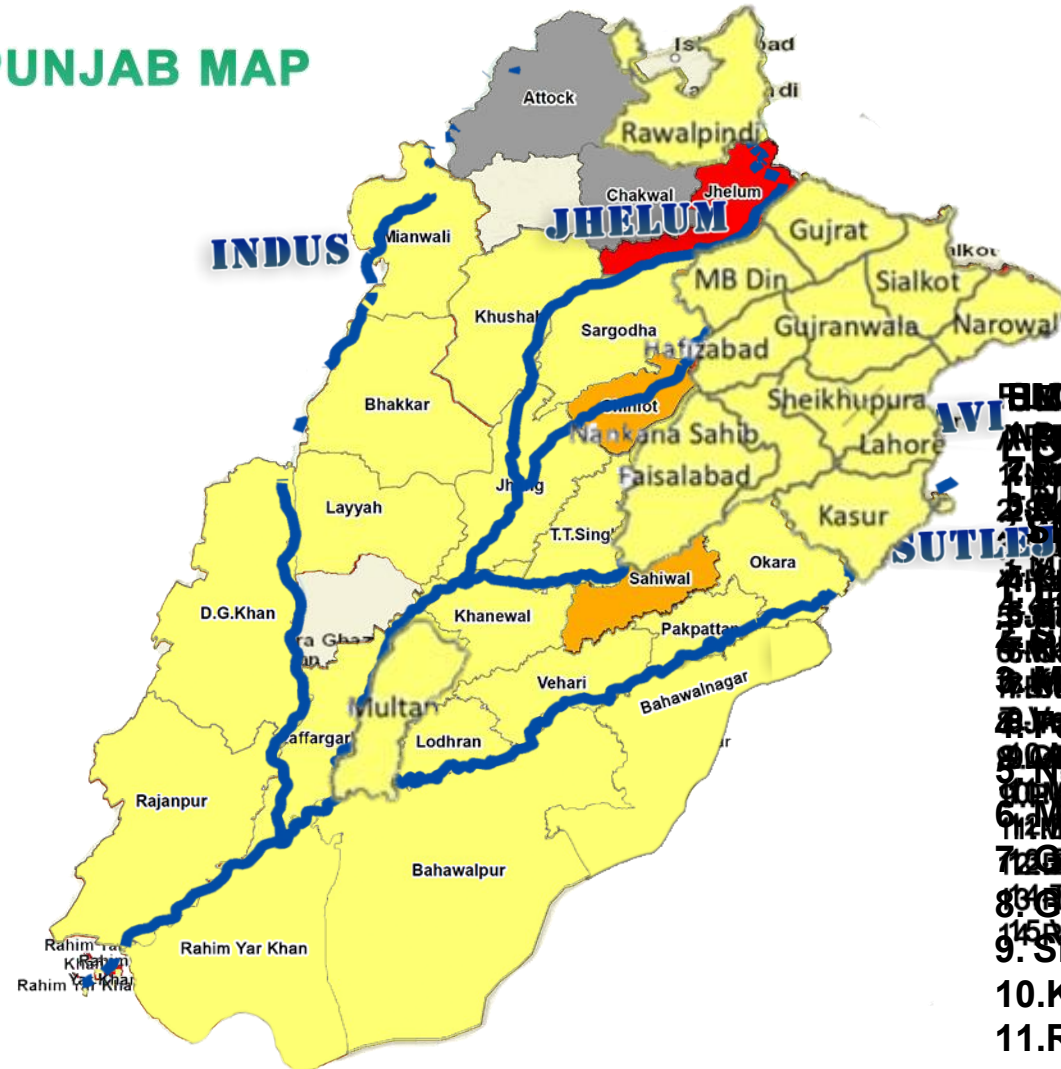
HILL TORRENT  
PRONE AREAS

LOCUST PRONE  
AREAS

DROUGHT PRONE  
AREAS

HEATWAVE

## PUNJAB MAP



FLOOD VULNERABLE  
AREAS CATEGORY A/B

1. Jhelum
2. Faisalabad
3. Sargodha
4. Multan
5. Rawalpindi
6. Lahore
7. Gujranwala
8. Sheikhupura
9. Kasur
10. Okara
11. Bahawalpur
12. Bahawalnagar
13. Vehari
14. Lodhran
15. Rajanpur
16. D.G.Khan
17. Layyah
18. Bhakkar
19. Mianwali
20. Chakwal
21. Jhelum
22. Rawalpindi
23. Attock
24. Islamabad
25. Sialkot
26. Narowal
27. Gujranwala
28. MB Din
29. Hafizabad
30. Sargodha
31. Khushab
32. Mianwali
33. Chakwal
34. Jhelum
35. Rawalpindi
36. Attock
37. Islamabad
38. Sialkot
39. Narowal
40. Gujranwala
41. MB Din
42. Hafizabad
43. Sargodha
44. Khushab
45. Mianwali
46. Chakwal
47. Jhelum
48. Rawalpindi
49. Attock
50. Islamabad



# Activity Calendar

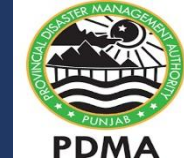
PDMA

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





# Activity Calendar



PDMA

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 DDMA's 15 June								PDMA, DCs
12	Establishment of Flood Forecasting Center					PMD (FFD) Lahore + PID 15 <sup>th</sup> June to 15 <sup>th</sup> October								PDMA, Irrigation, MET
13	Monsoon Seasonal Weather Forecast from PMD						1 <sup>st</sup> Week of June							MET
14	Inspection of Flood Protection Bunds (Joint Survey by Army, irrigation, DDMA's)			PID + All DDMA's Starts in March till 10 <sup>th</sup> May										Army, Irrigation, DCs
15	Removal of Encroachments ( Water Ways, Culverts, Zamindara Bunds)					All DDMA's + PID + Police. 30 <sup>th</sup> June								DCs, Irrigation
16	De-Silting of Nullahs, Water Channels, , Bridges etc.			All DDMA's + WASAs + Metropolitan Corporation / Municipal Committees / District Councils. De-silting starts in March and ends at 15 <sup>th</sup> June										DCs, WASAs, MCs
17	Readiness Certificates vis-à-vis Functionality of flood fighting equipment					All Commissioners + All DDMA's + 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**