



Monsoon 2023

in Sindh



Provincial Disaster Management Authority
Rehabilitation Department
Government of Sindh

Monsoon 2023 in Sindh

from July 07, 2023 to September 30, 2023

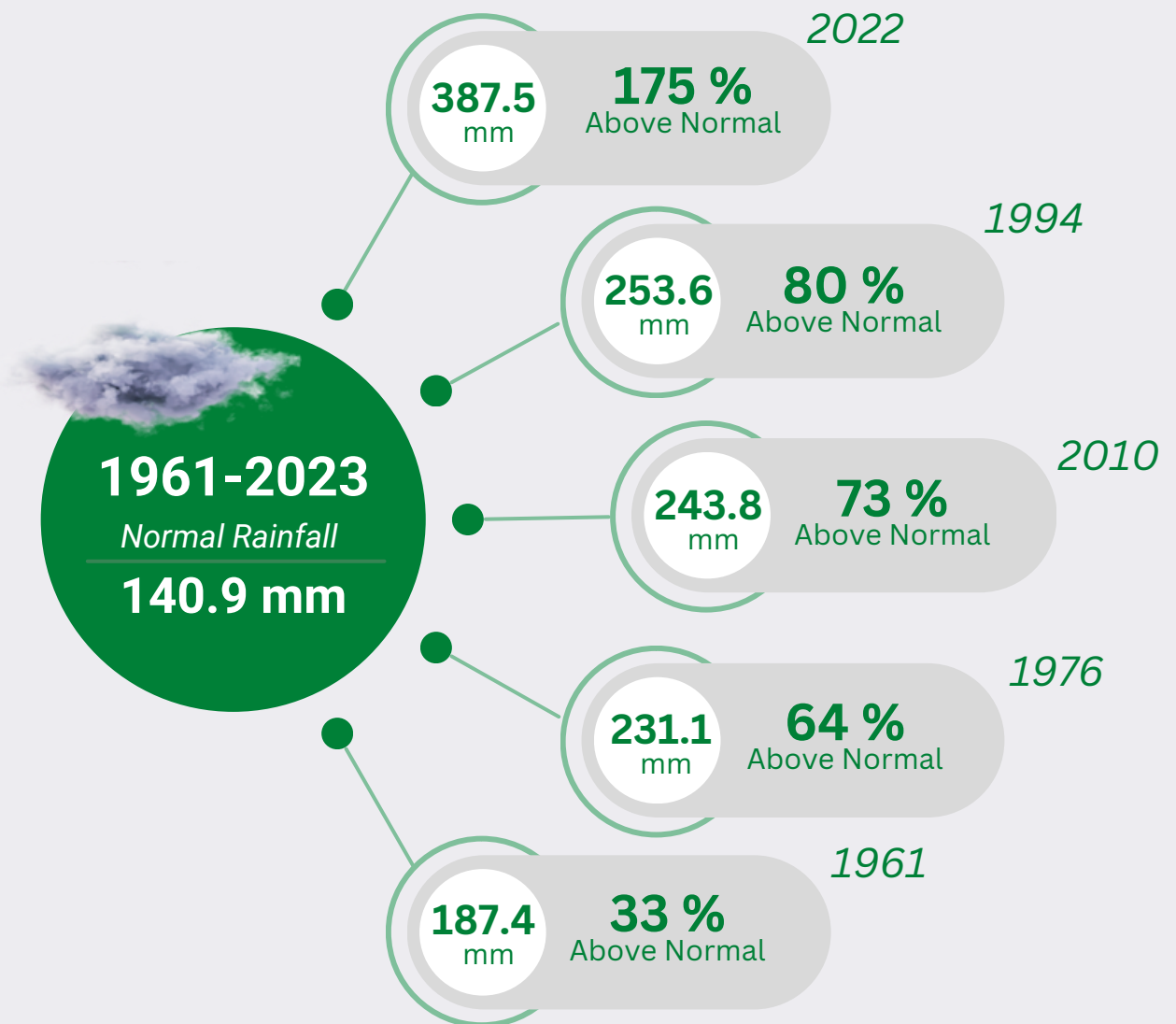
PREPARED BY



PROVINCIAL DISASTER MANAGEMENT AUTHORITY - SINDH
(PDMA - Sindh)

Monsoon 2023

According to Pakistan Meteorological Department (PMD), Pakistan has experienced one of its wettest monsoon season last year i.e. 2022, receiving 175% above normal rains. However this year's monsoon rain was relatively calm and the country received 4% above normal rain.



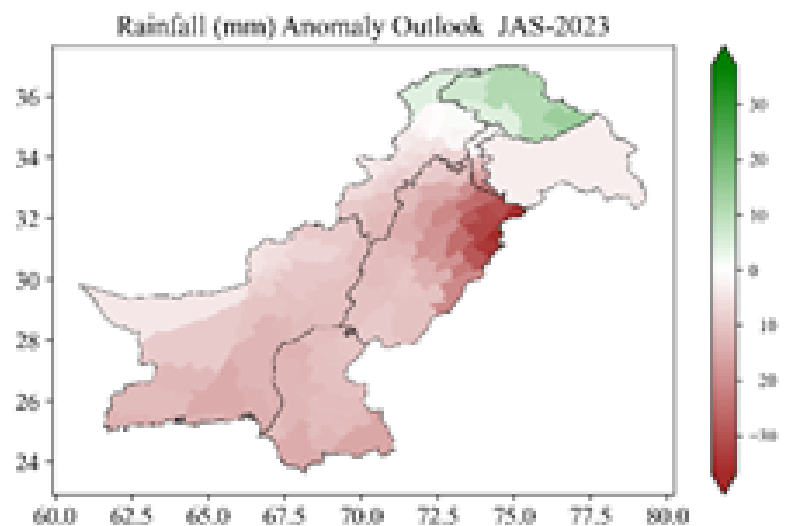
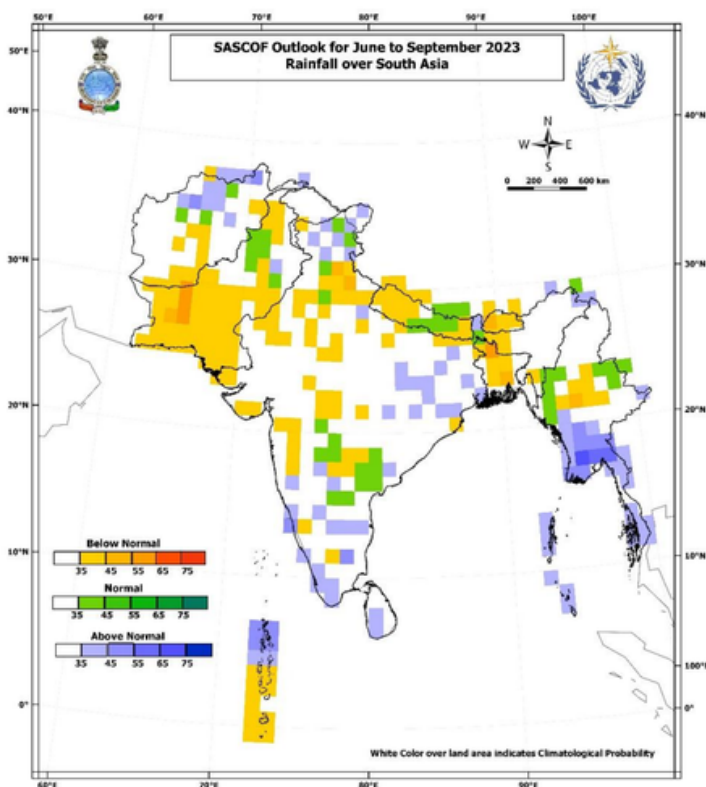
Heaviest monsoon season rainfall records from the past

Seasonal Forecast

In its seasonal forecast Pakistan Meteorological Department (PMD) reported that due to La-Niña conditions and negative phase of Indian Ocean Dipole (IOD); therefore below normal rains were expected in the country. According to the outlook issued, following were the likelihoods for this monsoon season (July- September):

- *Below Normal rainfall expected over Sindh and Punjab*
- *Slightly normal rainfall in the remaining parts of the country*

Based on the seasonal forecast PDMA Sindh issued necessary preparedness measures to be taken by stakeholders to overcome any unlikely situation.

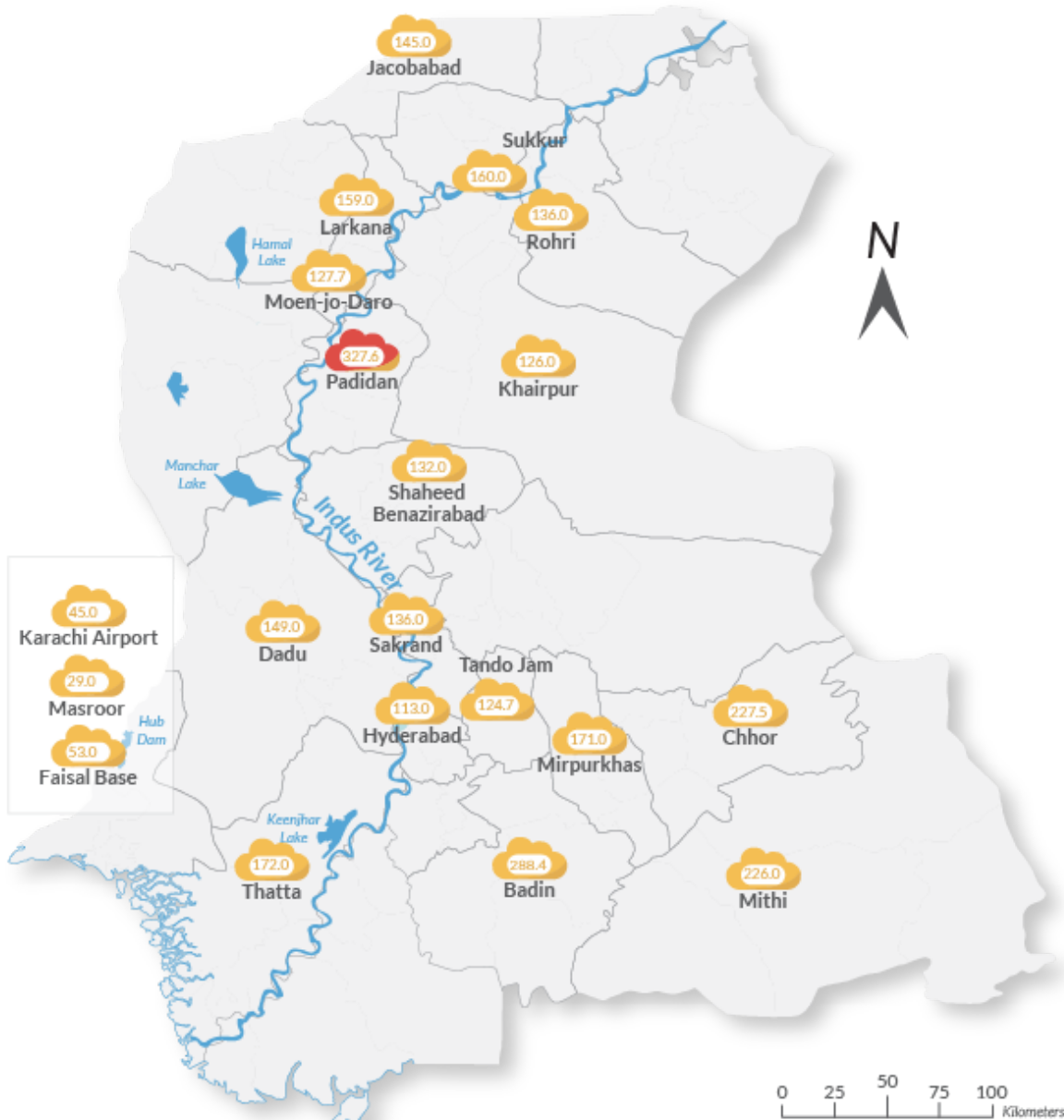


Rainfall Anomaly Outlook, JAS-2023, issued by Pakistan Meteorological Department (PMD)

SASCOF Outlook for June to September 2023 Rainfall over South Asia

Monsoon 2023- Sindh

Onset of monsoon in Sindh was observed from 1st July till 28th September



Accumulated Rainfall recorded at PMD Stations during Monsoon Season (July - September)

Rainfall

173.7 mm

30% above normal

Losses and Damages

Initial data on losses and damages was collected through DDMA's for estimation and organization to disaster response. Synoptic state of losses and damages is presented below;

Deaths and Injuries



Deaths

27



Injuries

10



Livestock

213

Infrastructure Damages



Houses (Count)

342



Partial House (Count)

324



Fully House (Count)

18

Population Affected



Affected Population

1,366

Crop Damages



Acres

3,528

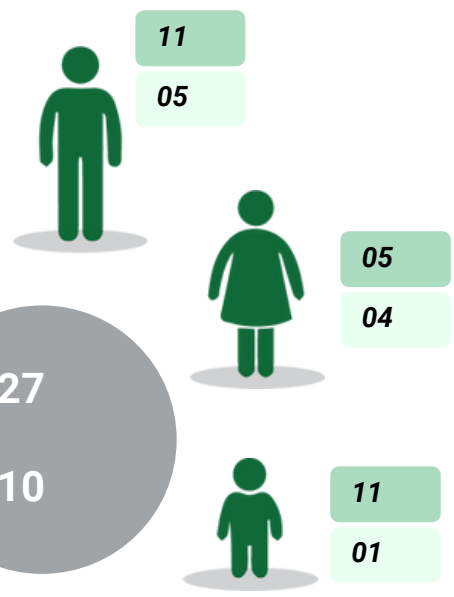
Deaths and Injuries

Segregation of deaths and injuries and district-wise distribution remained as;

District Wise Human & Livestock Death & Injuries

	Human Deaths	Injuries
Shikarpur	03	03
Badin	07	02
Sukkur	05	02
Tharparkar	09	-
Khairpur	01	-
Tando Allahyar	01	-
Umerkot	-	03
Mirpurkhas	01	-
Jacobabad	-	-

Deaths 27
Injuries 10



Most Affected Districts

District	Human Deaths	Injuries
Tharparkar	09	00
Sukkur	05	02
Shikarpur	03	03

Livestock

Livestock plays important role particularly in rural economy. It is does not only support local consumption of diary and meat but also large number of population depends on livestock business in Sindh. Loss of livestock results in loss of survival and livelihood for population engaged in this business. A number of livestock losses were reported. Details are;

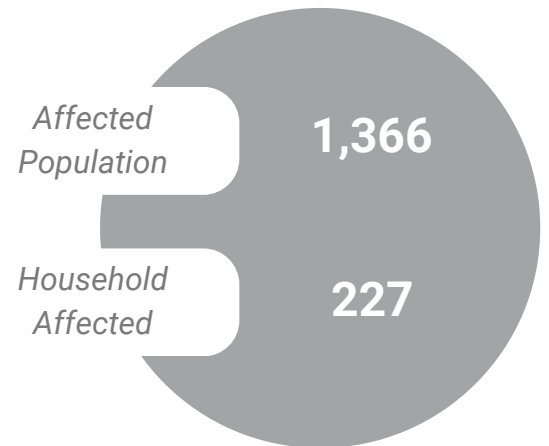
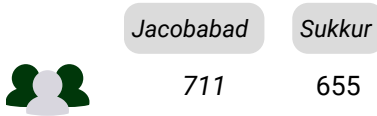
Animal Deaths

Shikarpur	-
Badin	-
Sukkur	16
Tharparkar	172
Khairpur	-
Tando Allahyar	-
Umerkot	-
Mirpurkhas	-
Jacobabad	25

Affected Population:

The affects of rain this year were scattered. Sukkur and Jacobabad in North and Tharparkar in South received more impacts.

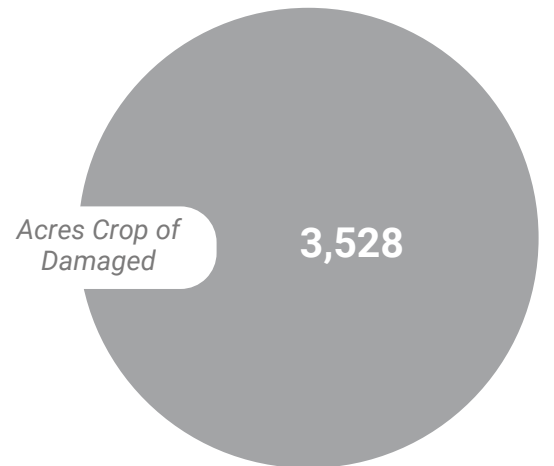
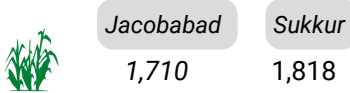
Most Affected Districts



Crop Damaged:

The rains caused significant damage to sugar cane and rice crops in Jacobabad and Sukkur district.

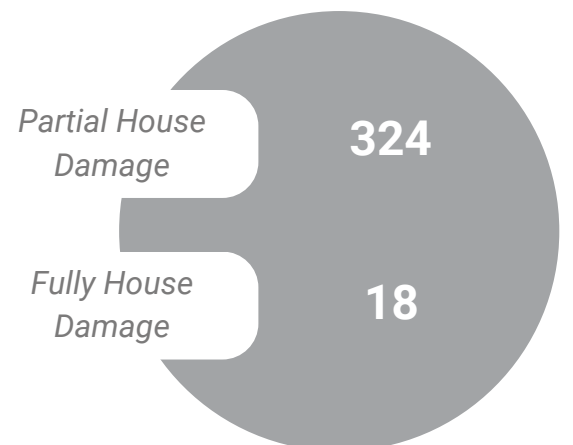
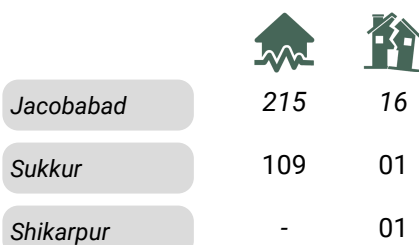
Most Affected Districts



Houses Damaged:

Likewise most of house and household damage was reported from Jacobabad and Sukkur district.

Most Affected Districts



Relief Operation:

Low gradients coupled with human interactions have made poor drainage system in the province. Most of the times water suction is required to dewater from settled areas. Like each monsoon season PDMA Sindh assisted concerned authorities by providing varying size dewatering pumps.




District Facilitated

12

Total Dewatering Pumps

41

District Wise Dispatch of Dewatering Pumps

	 Truck Mounted Dewatering Pump	 Small Dewatering Pump	 Ground Standing Pump
Karachi East	03	-	-
Karachi West	03	-	-
Karachi Central	03	-	-
Karachi Malir	03	-	-
Karachi Korangi	04	-	-
Karachi Keamari	03	-	-
Karachi South	09	-	-
Hyderabad	02	-	-
Jamshoro	-	-	02
Sukkur	03	01	-
Tharparker	-	-	02
Kashmore	-	03	-