



# NATIONAL DISASTER MANAGEMENT AUTHORITY



# Post Monsoon Report 2024

**OPERATIONS WING NDMA  
RESPONSE DIRECTORATE**



# POST MONSOON REPORT 2024



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**OPERATIONS WING NDMA  
RESPONSE DIRECTORATE**



## List of Abbreviations

<b>DM</b>	-	<b>Disaster Management</b>
<b>DRM</b>	-	<b>Disaster Risk Management</b>
<b>NDMC</b>	-	<b>National Disaster Management Commission</b>
<b>UN</b>	-	<b>United Nation</b>
<b>NGO</b>	-	<b>Non-Governmental Organization</b>
<b>INGO</b>	-	<b>International Non-Governmental Organization</b>
<b>NEOC</b>	-	<b>National Emergency Operation Center</b>
<b>PDMA</b>	-	<b>Provincial Disaster Management Authority</b>
<b>DDMA</b>	-	<b>District Disaster Management Authority</b>
<b>SDMA</b>	-	<b>State Disaster Management Authority</b>
<b>GBDMA</b>	-	<b>Gilgit-Baltistan Disaster Management Authority</b>
<b>PMD</b>	-	<b>Pakistan Meteorological Department</b>
<b>FFD</b>	-	<b>Flood Forecasting Division</b>
<b>FFC</b>	-	<b>Federal Flood Commission</b>
<b>NHA</b>	-	<b>National Highway Authority</b>
<b>JCMC</b>	-	<b>Joint Crises Management Cell</b>
<b>KP</b>	-	<b>Khyber Pakhtunkhwa</b>
<b>GB</b>	-	<b>Gilgit-Baltistan</b>
<b>AJ&amp;K</b>	-	<b>Azad Jammu &amp; Kashmir</b>



## NDMA

NDMA is the lead agency at the Federal level to deal with the whole spectrum of Disaster Management activities. It is the executive arm of the National Disaster Management Commission (NDMC) which has been established under the Chairmanship of the Prime Minister as the apex policy making body in the field of Disaster Management. In the event of a disaster, all stakeholders including Government Ministries/Departments/Organizations, Armed Forces, INGOs, NGOs and UN Agencies work through and form part of the NDMA to conduct one window operations.

### Mandate of NDMA

NDMA aims to develop sustainable operational capacity and professional competence to undertake the following task:-

- Complete spectrum of disaster risk management at national level.
- Act as Secretariat of the NDMC to facilitate implementation of DRM strategies.
- Map all hazards in the Country and conduct risk analysis on regular basis.
- Develop guidelines and standards for national and provincial stakeholders regarding their role in disaster risk management.
- Provide technical assistance to federal ministries, departments and provincial DM authorities in disaster risk management initiatives.
- Organize training and awareness raising activities for capacity development of stakeholders, particularly in hazard-prone areas.
- Collect, analyze, process and disseminate inter-sectoral information required in an all hazard management approach.
- Ensure that appropriate regulations are established to develop disaster response volunteer teams.
- Create requisite environment for participation of media in DRM activities.
- Serve as the lead agency for NGOs to ensure their performance matches accepted international standards, e.g. the Sphere Standards.
- Coordinate emergency response of federal government in the event of a national level disaster through the National Emergency Operations Centre (NEOC).

### Aim of the Document

The aim is to document the key events of Monsoon 2024, thoroughly analyze the lessons learned, and identify the best practices adopted during the management of the season. This analysis will provide valuable insights into how effectively challenges were addressed and what improvements can be made.



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## Summary

The 2024 monsoon season in Pakistan began on June 29, slightly ahead of its usual start date of July 1. Rainfall in July and September was somewhat below average. However, August witnessed an exceptionally high volume of rain, offsetting the earlier deficit. Rainfall in August not only compensated for months of July and September but pushed the total monsoon season rainfall above the seasonal average.

To sum it up, Pakistan experienced excessively **above-average** rainfall during the entire monsoon season with a **+51%** deviation from the normal and ranked **8th wettest monsoon** rainfall during the past 64 years (record is 387.8mm in 2022). On a regional scale, Balochistan and Sindh had excessively above-average rainfall (**+111%** & **108%** respectively), while Punjab had also **above-average** rainfall (**+48%**).


MONSOON 2024 RAINFALL (mm)			
	01 Jul to 30 Sept, 2024 Rainfall		
	normal (mm)	actual (mm)	Deviation (%)
Pakistan	140.9	212.1	<b>+51</b>
Azad J&K	389.5	306.5	<b>-21</b>
Balochistan	58.3	122.9	<b>+111</b>
Gilgit-B	39.7	40.5	<b>+2</b>
Khyber-PK	256.3	242.6	<b>-5</b>
Punjab	231.9	344.0	<b>+48</b>
Sindh	133.7	278.4	<b>+108</b>

Table No.1 shows JAS Rainfall Departure (Source PMD)

The **Khyber Pakhtunkhwa (KP)** and **Gilgit Baltistan (GB)** (with **-5%** & **+2%** respectively) received **near-average** rainfall, whereas, **Azad Jammu and Kashmir (AJ&K)** (with **-21%**) was the only region to receive **below-average** rainfall. Fig. 1 shows the spatial distribution seasonal (JAS) rainfall and Fig-2 gives the comparison of **cumulative monsoon rains** this year and the previous two years.

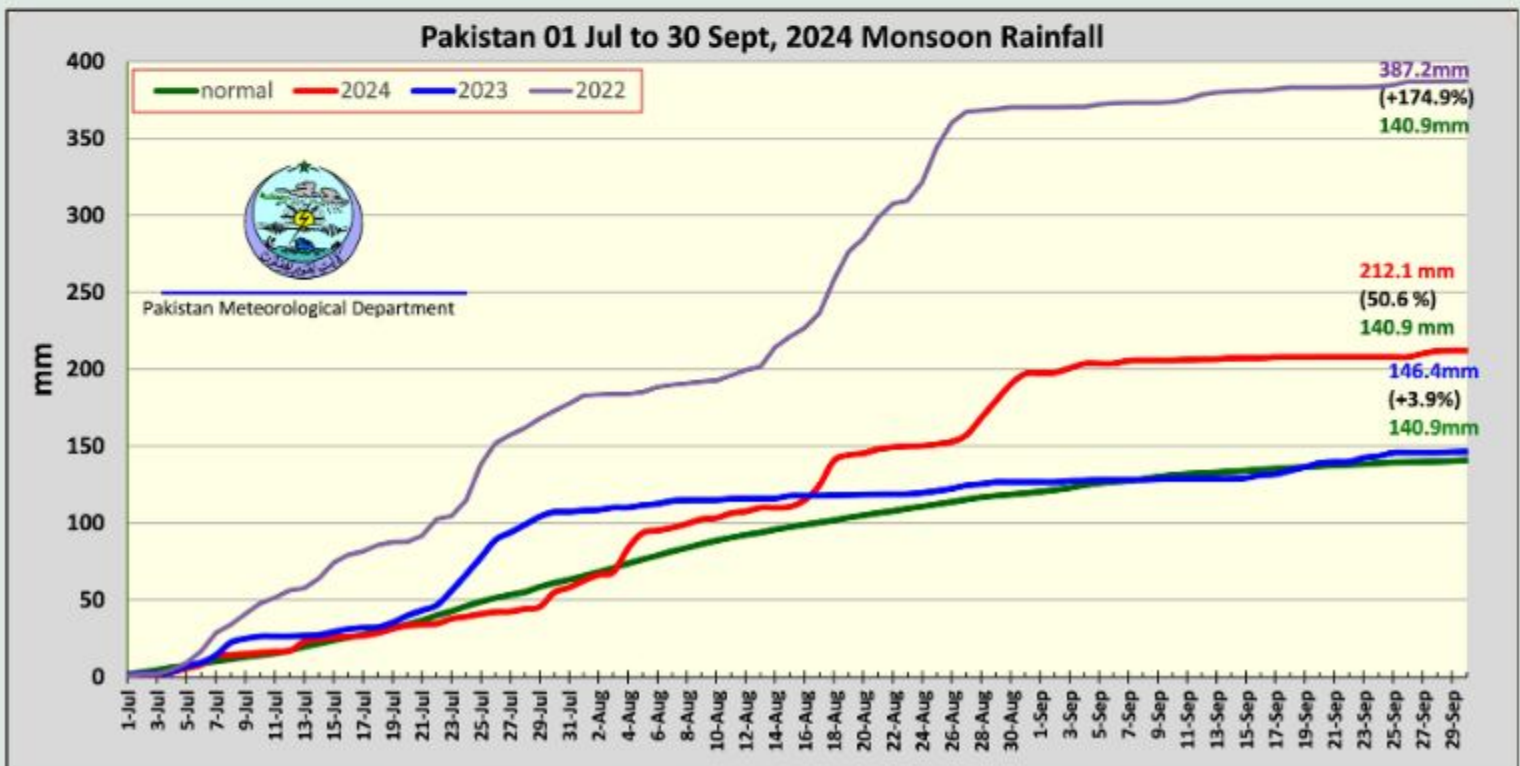


Table No. 2 Rainfall comparison with last 2 years (Source NEOC /PMD)



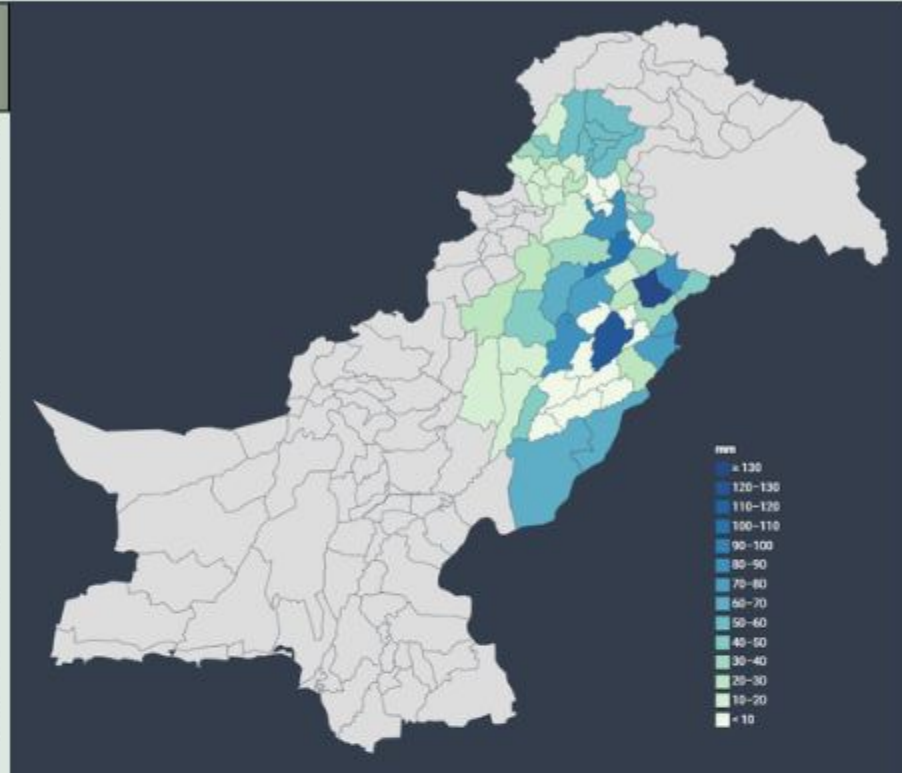
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## Major Spells & Rainfall Records

### 1st Monsoon Rain Spell (26 June – 7 July 2024)

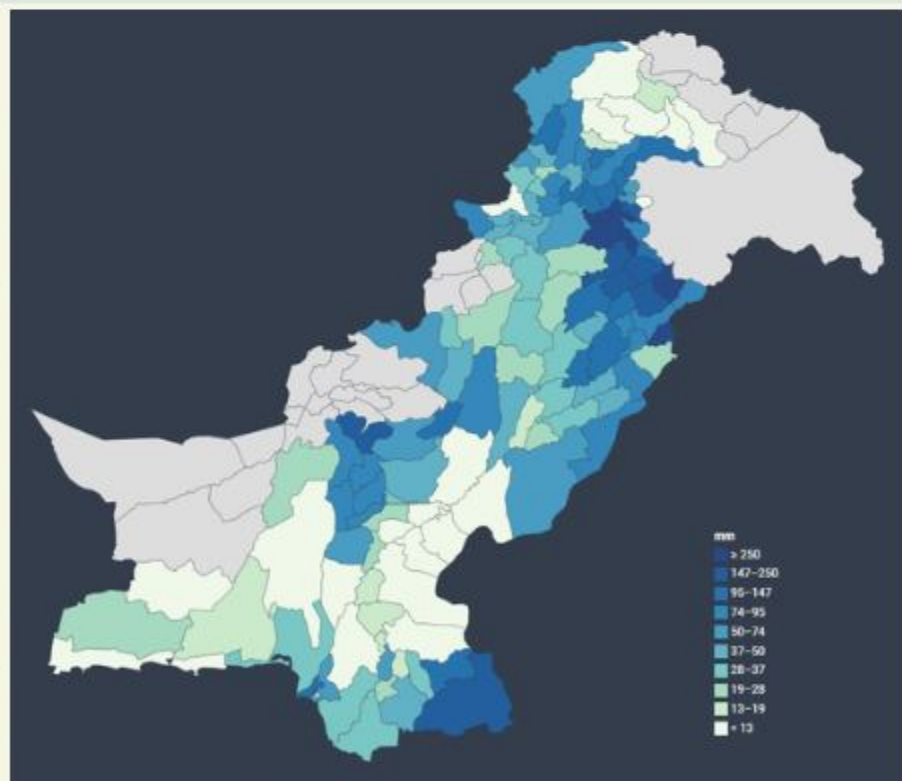
In the 2024 monsoon season, the first spell of rainfall predominantly affected the regions of Punjab and upper Khyber Pakhtunkhwa (KP). Cities like Gujranwala, Faisalabad and Jhelum experienced significant rainfall with recorded amounts exceeding 100mm. Azad Jammu and Kashmir (AJ&K) also received notable rainfall during this period. However other regions including Balochistan, Sindh and Gilgit-Baltistan (GB) remained largely dry and received little to no precipitation during this initial phase of the monsoon.



Map No.1 shows 1st Monsoon Rainfall Spell

### 2nd Monsoon Spell (10 July – 31 July 2024)

During the second spell of the 2024 monsoon season, significant rainfall was observed across several regions of Pakistan. Azad Jammu & Kashmir (AJ&K), northern Punjab and northern Khyber Pakhtunkhwa (KP) experienced heavy precipitation with rainfall amounts exceeding 100mm. Notably the cities of Sialkot, Lahore and Rawalpindi recorded over 300mm of rainfall marking this period as one of intense monsoon activity in these areas.



Map No.2 shows 2nd Monsoon Rainfall Spell

Central Punjab and Sindh received varying amounts of rainfall, ranging from 15mm to 100mm, reflecting a more moderate distribution across these regions. In contrast, the northern areas of Gilgit-Baltistan (GB) and the western parts of KP and Balochistan saw low to negligible rainfall.



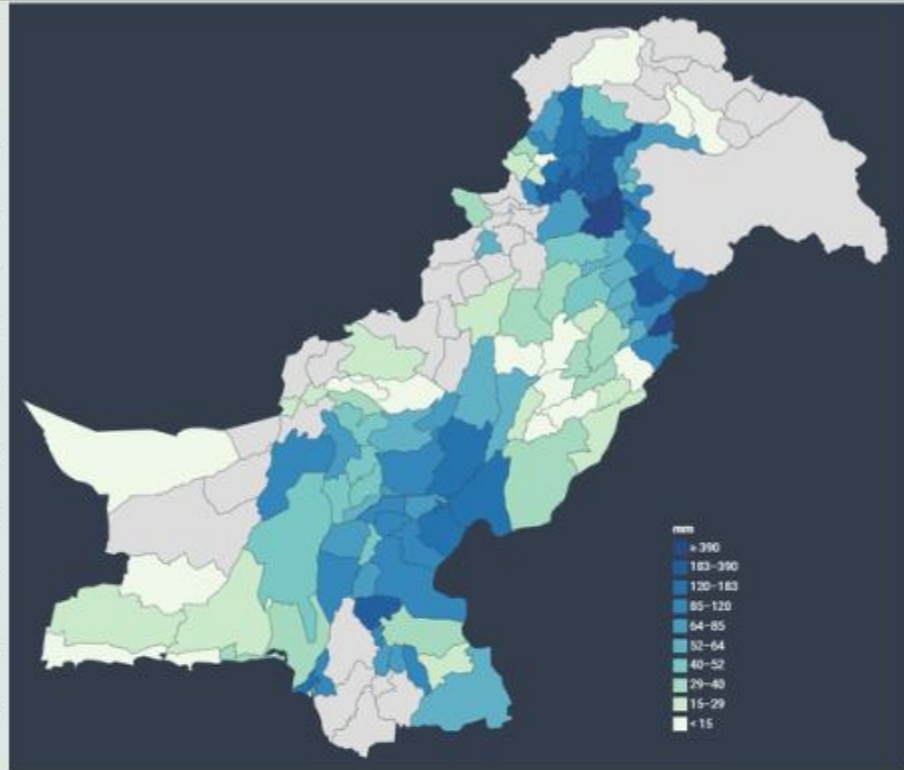
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## Major Spells & Rainfall Records

### 3rd Monsoon Spell (9 – 12 August 2024)

In the third spell of the 2024 monsoon season, northern Punjab, northern Khyber Pakhtunkhwa (KP) and eastern Sindh experienced significant rainfall with amounts exceeding 100mm. Notably Islamabad, Rawalpindi and Lahore recorded over 400mm of rainfall and Lahore experienced urban flooding due to exceptionally heavy downpours reached approximately 480mm. Central Punjab as well as southern Balochistan received



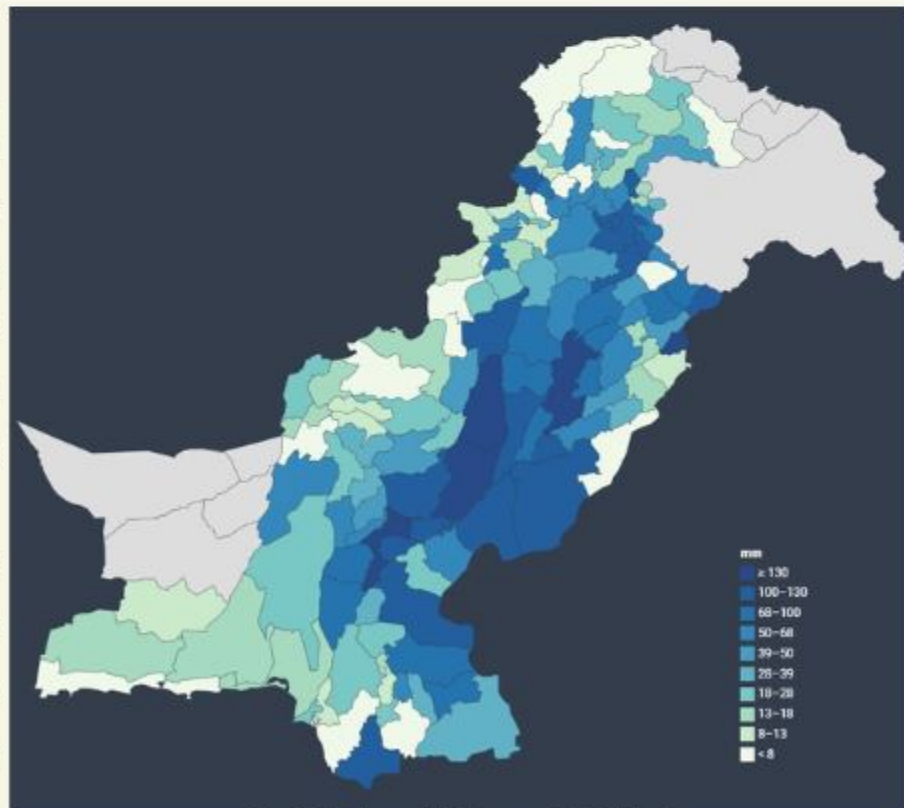
Map No.3 shows 3rd Monsoon Rainfall Spell

below 50mm rainfall with a few localized exceptions. This spell showed stark regional differences, with heavy rain in some areas while others, like upper northern and western Pakistan remained mostly dry.

### 4th Monsoon Spell (16 – 20 August 2024)

The fourth spell of the 2024 monsoon season brought heavy downpours to the central and eastern regions of Pakistan while the western areas experienced low to moderate rainfall. However western Balochistan remained dry and no precipitation received during this period.

In the Suleiman Range, areas such as Dera Ghazi Khan and nearby districts faced incidents of hill torrents, leading to localized flooding. During this spell, water levels in key reservoirs reached critical thresholds.



Map No.4 shows 4th Monsoon Rainfall Spell

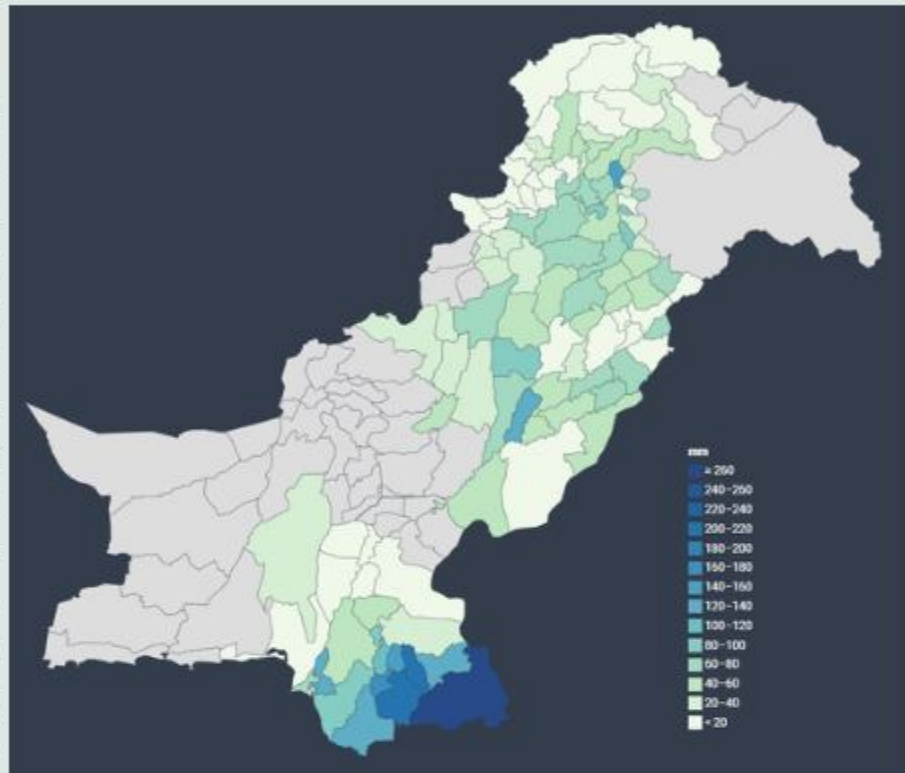
Tarbela Dam reached its maximum capacity at 1,550 ft while Mangla Dam was filled upto 99% of its total capacity and water levels reached 1,240.7 ft.

## Major Spells & Rainfall Records

### 5th Monsoon Spell (24 – 30 August 2024)

The fifth spell of the 2024 monsoon season brought significant heavy rainfall to the south-eastern regions of Pakistan, particularly affected districts such as Tharparker, Badin, Umerkot, Mirpur Khas and Thatta. In contrast, Punjab province experienced sporadic rainfall patterns and most areas received less than 100mm of rain, except for the Multan division, where above-average rainfall was experienced causing urban flooding in certain areas. In Gilgit-Baltistan, upper Khyber Pakhtunkhwa and Azad Jammu and Kashmir (AJ&K) rainfall remained below 50 mm, (Sindh received below 50mm rainfall with a few

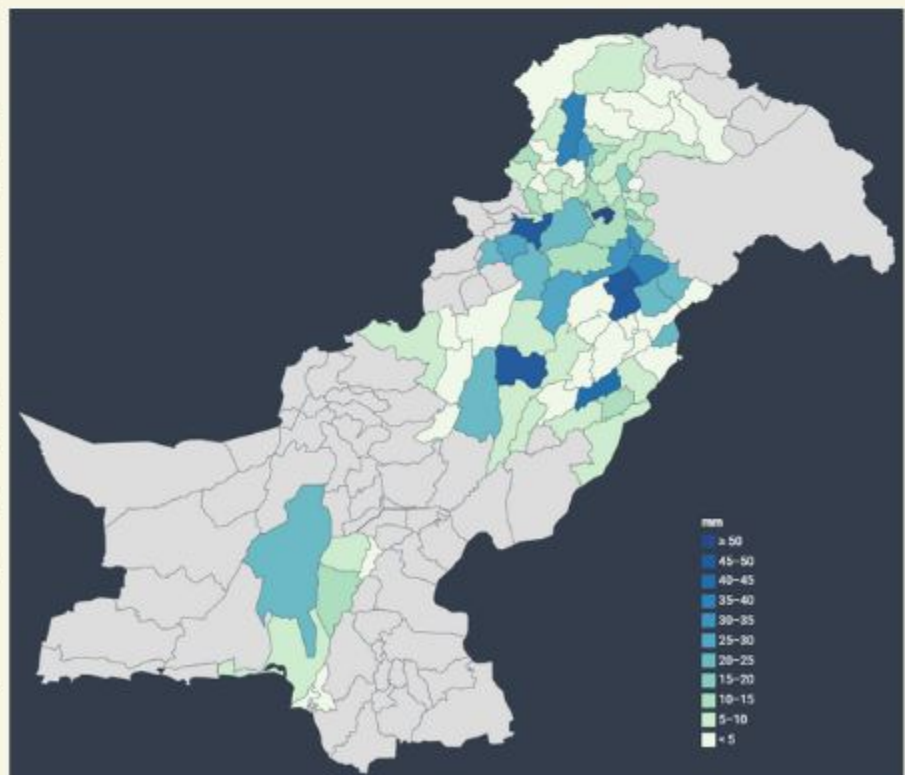
localized exceptions. This spell showed stark regional differences, with heavy rain in some areas while others, like northern and western Pakistan remained mostly dry, except for Muzaffarabad district which recorded over 150mm of precipitation. Meanwhile, some districts in upper Sindh and Balochistan experienced less than 10mm of rainfall while others saw no rain during this spell. This phase highlighted both heavy downpours in certain south-eastern regions and relatively dry conditions in the western areas of the country.



Map No.5 shows 5th Monsoon Rainfall Spell

### 6th Monsoon Spell (2 - 4 September 2024)

During the sixth spell of the 2024 monsoon season, Punjab, Azad Jammu & Kashmir (AJ&K), upper and eastern Khyber Pakhtunkhwa (KP) and southern Gilgit-Baltistan (GB) experienced above 50mm rainfall. Some coastal districts and adjacent regions received minimal precipitation while the rest of Balochistan and Sindh remained completely dry. No significant weather events or notable impacts were reported during this spell.



Map No.6 shows 6th Monsoon Rainfall Spell





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## Significant Peak Discharge Reported (River Indus)

The Monsoon 2024 Flow Trend offers detailed peak discharge data for major hydraulic structures and river points across Pakistan during the monsoon season. By examining outflows at 30 critical points along the Indus, Jhelum, Chenab, Ravi and Sutlej rivers, it provides key insights into flood patterns, flow intensities and potential risks posed to downstream areas. This data helps stakeholders to evaluate the effectiveness of reservoir management and prepare flood response strategies to protect vulnerable communities and infrastructure.

### River Indus

**Tarbela Outflows:** The graph shows peak discharges at Tarbela Dam, underscoring its critical role in absorbing inflows from upstream areas to regulate downstream flooding. Monitoring these levels informs decision-makers about reservoir releases and help them to balance flood control with water storage needs.

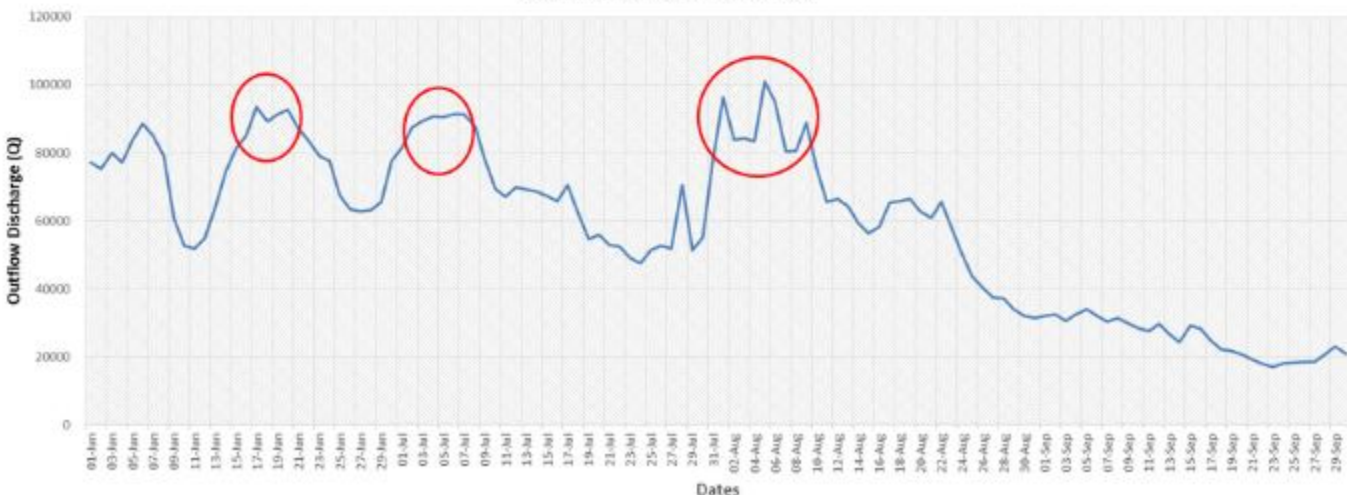
Tarbela Outflow Trend 2024



Graph No.1 shows River Indus Flood 2024 at Tarbela (Source NEOC/FFD)

**Kalabagh Outflows:** This graph depicts discharge trends River Indus flood trend at Kalabagh.

Kabul Outflow Trend 2024



Graph No.1 shows River Indus Flood 2024 at Kalabagh (Source NEOC/FFD)

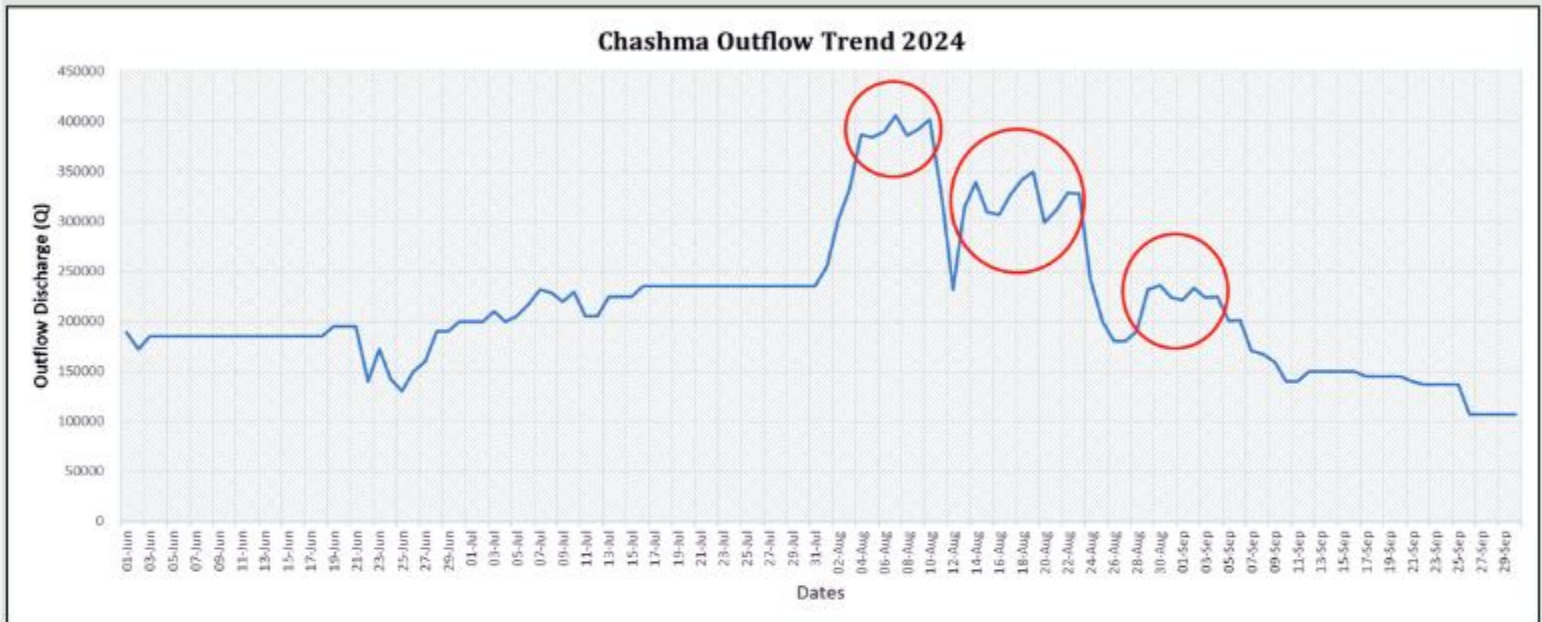


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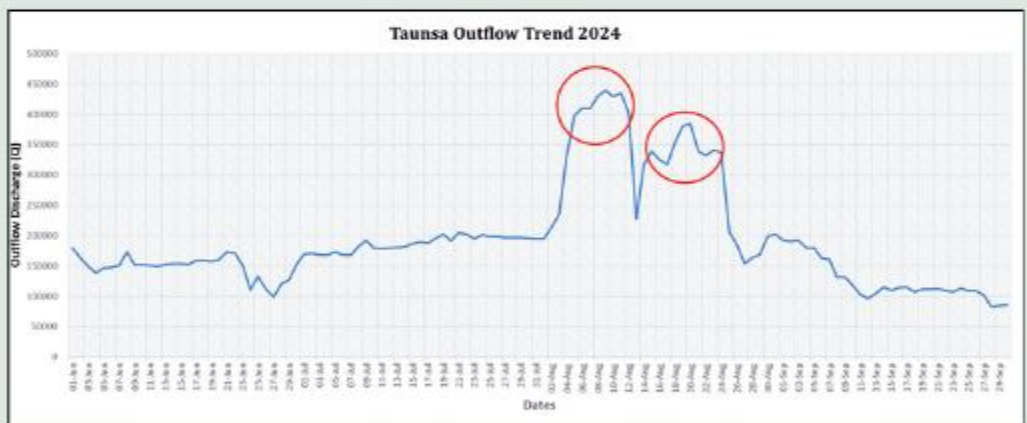
## Significant Peak Discharge Reported (River Indus)

**Chashma Outflows:** Chashma barrage plays key role in managing Indus flows after Kalabagh. These outflows are essential for lower basin preparedness, especially in cases where downstream areas might face cumulative discharge impacts.



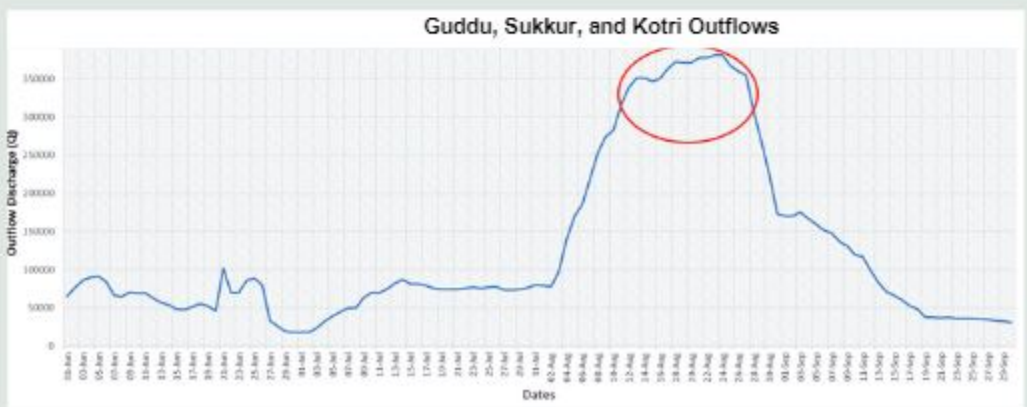
Graph No.3 shows River Indus Flood 2024 at Chashma (Source NEOC /FFD)

**Taunsa Outflows:** Low trends from the Taunsa Barrage impact southern Punjab. Effective management is crucial for reducing flood risks to save communities and protect agricultural lands during monsoon.



Graph No.4 shows River Indus Flood 2024 at Taunsa (Source NEOC /FFD)

**Guddu, Sukkur and Kotri Outflows:** These graphs demonstrate cumulative discharge trends as the Indus flows into Sindh. Managing these outflows is critical for downstream communities, with Sukkur and Kotri often serving as last barriers to protect densely populated areas and vital farmlands.



Graph No.5 shows River Indus Flood 2024 at Guddu, Sukkur and Kotri combine (Source NEOC /FFD)



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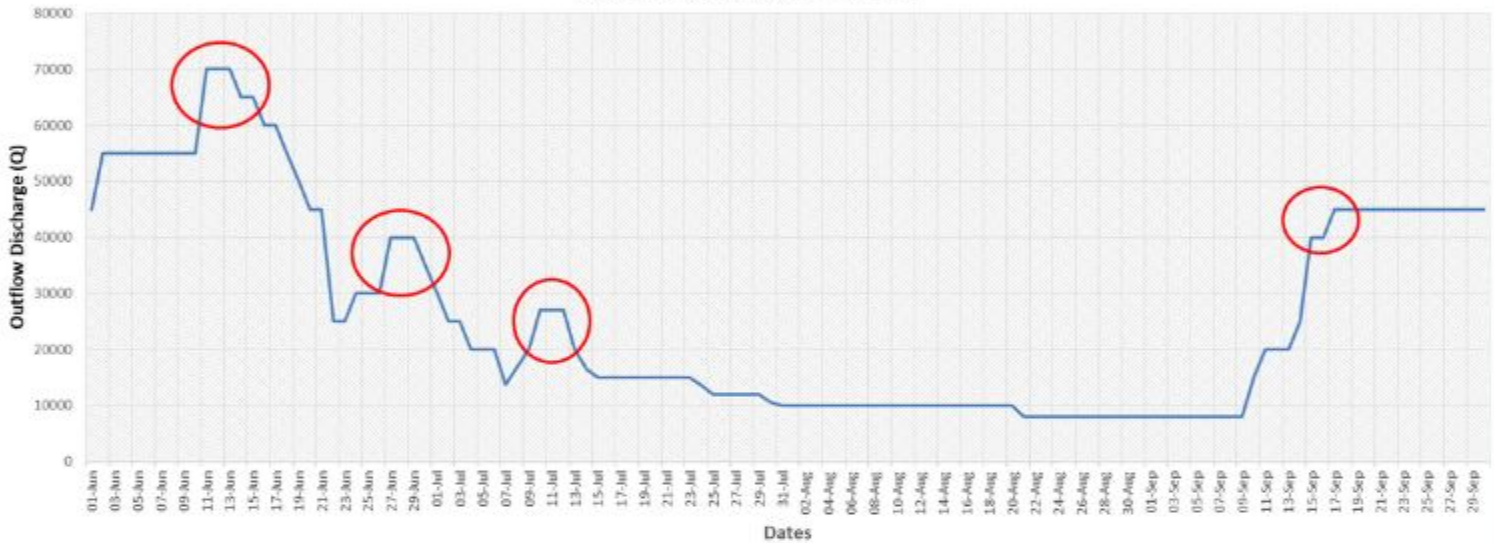


## Significant Peak Discharge Reported (River Jehlum)

### River Jhelum

**Mangla Outflows:** This graph tracks peak discharges at Mangla Dam, one of the major reservoirs for the Jhelum River. Effective management here helps in reducing flood risks downstream, especially in populated regions along the river course in central Punjab.

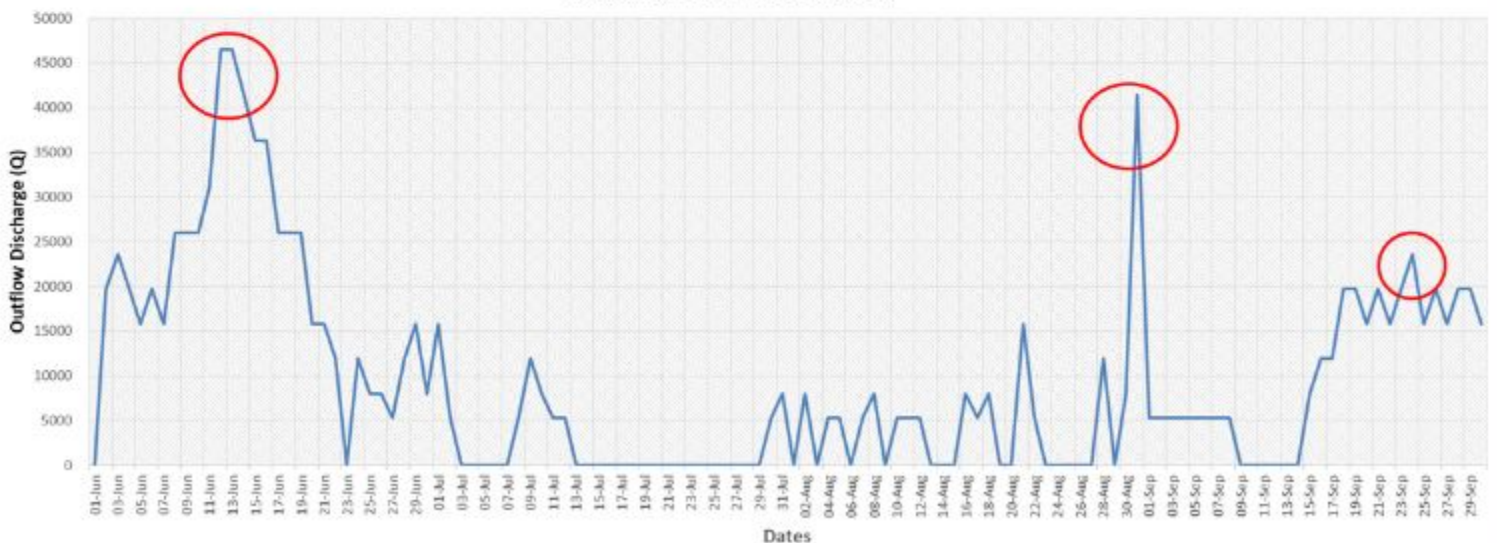
**Mangla Outflow Trend 2024**



Graph No.6 shows River Jehlum Flood 2024 at Mangla (Source NEOC/IFD)

**Rasul Outflows:** The graph illustrates the high peak discharges from Rasul barrage during the monsoon season of 2024. These discharge levels are critical for understanding how the Jhelum River's flow combines with other tributaries, significantly influencing flood levels in central Punjab. Analyzing these peaks helps in predicting flood events and implementing timely management strategies to mitigate risks to surrounding communities and agricultural lands.

**Rasul Outflow Trend 2024**



Graph No.6 shows River Jehlum Flood 2024 at Rasul (Source NEOC/IFD)



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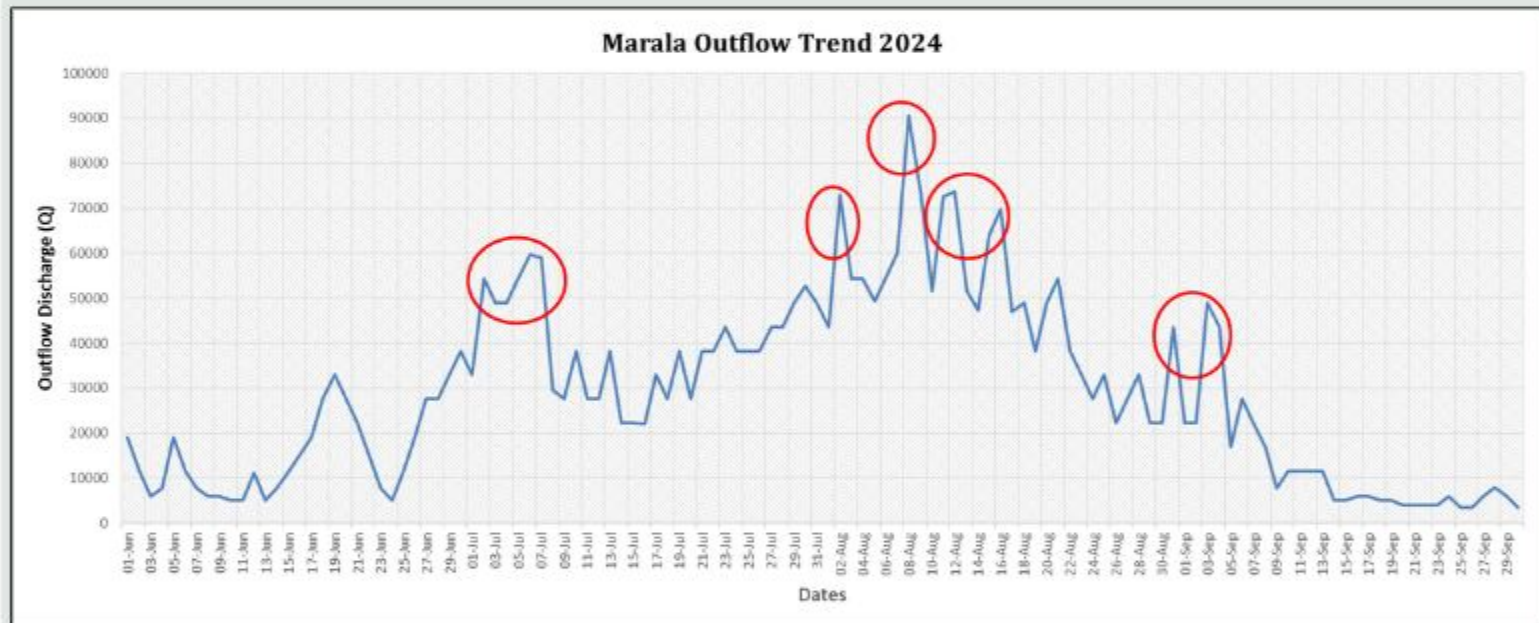


## Significant Peak Discharge Reported (River Chenab)

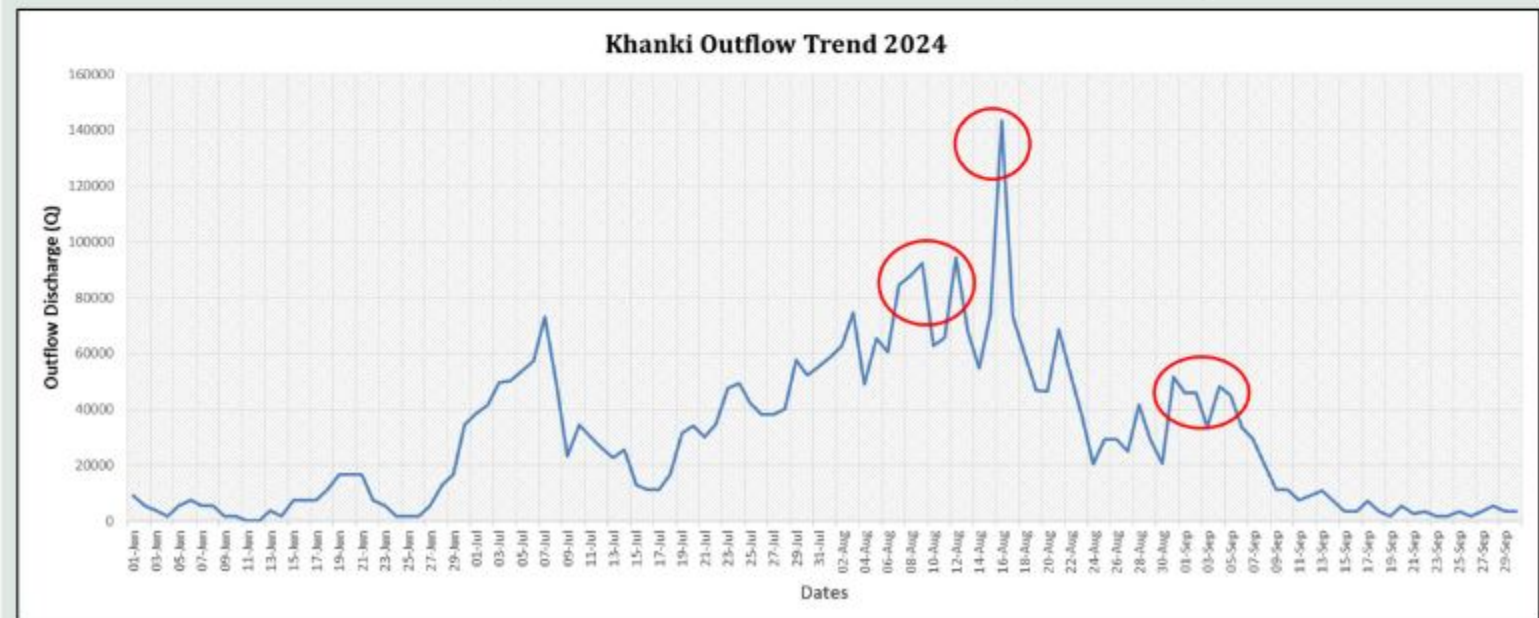
### River Chenab

**Marala, Khanki and Qadirabad Outflows:** These upper Chenab outflow graphs from the monsoon season of 2024 reveal significant flow data crucial for early flood warnings in central Punjab. Each data point illustrates how water from upstream regions impacts flow intensity and contributing to increased flood risk in densely populated agricultural areas. Understanding these outflows during the monsoon is vital for predicting potential flooding events and implementing timely interventions to protect communities and crops in the region.

By analyzing trends and variations in flow, disaster management authorities can enhance their preparedness and response strategies.



Graph No.7 shows River Chenab Flood 2024 at Marala (Source NEOC/FFD)



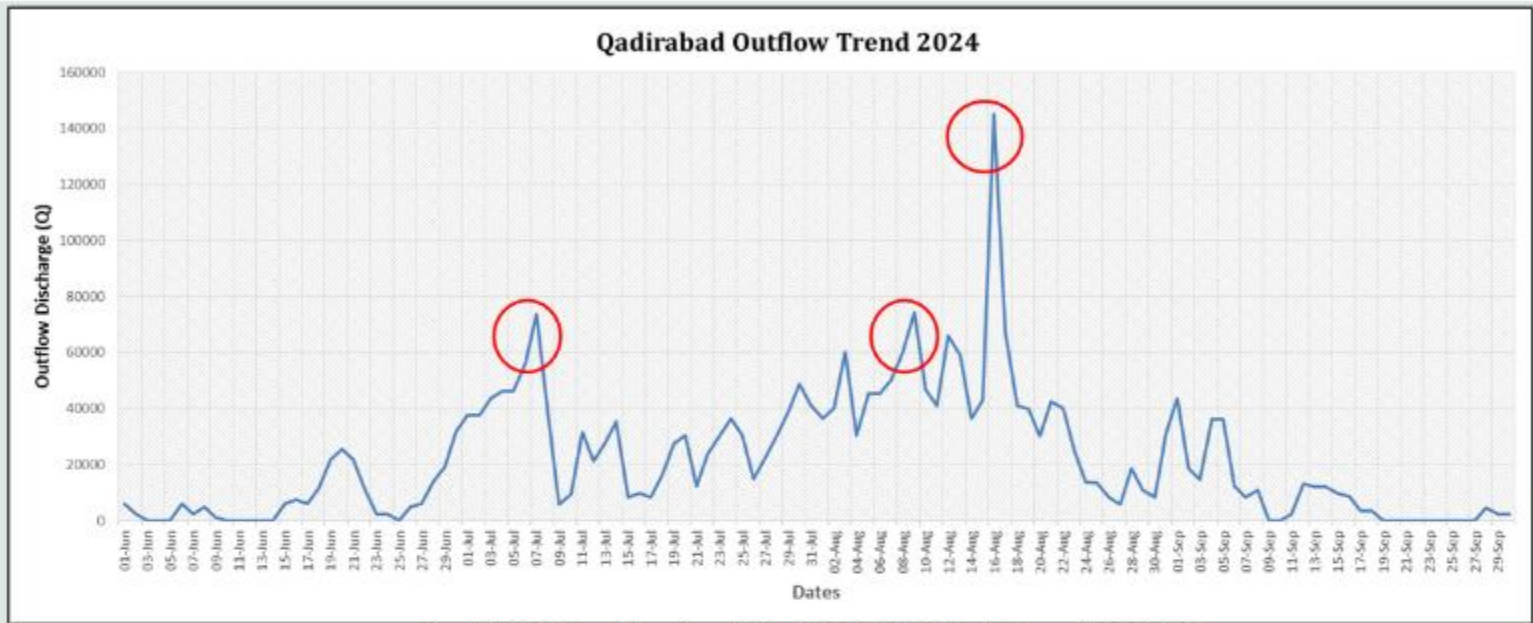
Graph No.8 shows River Chenab Flood 2024 at Khanki (Source NEOC/FFD)



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## Significant Peak Discharge Reported (River Chenab)

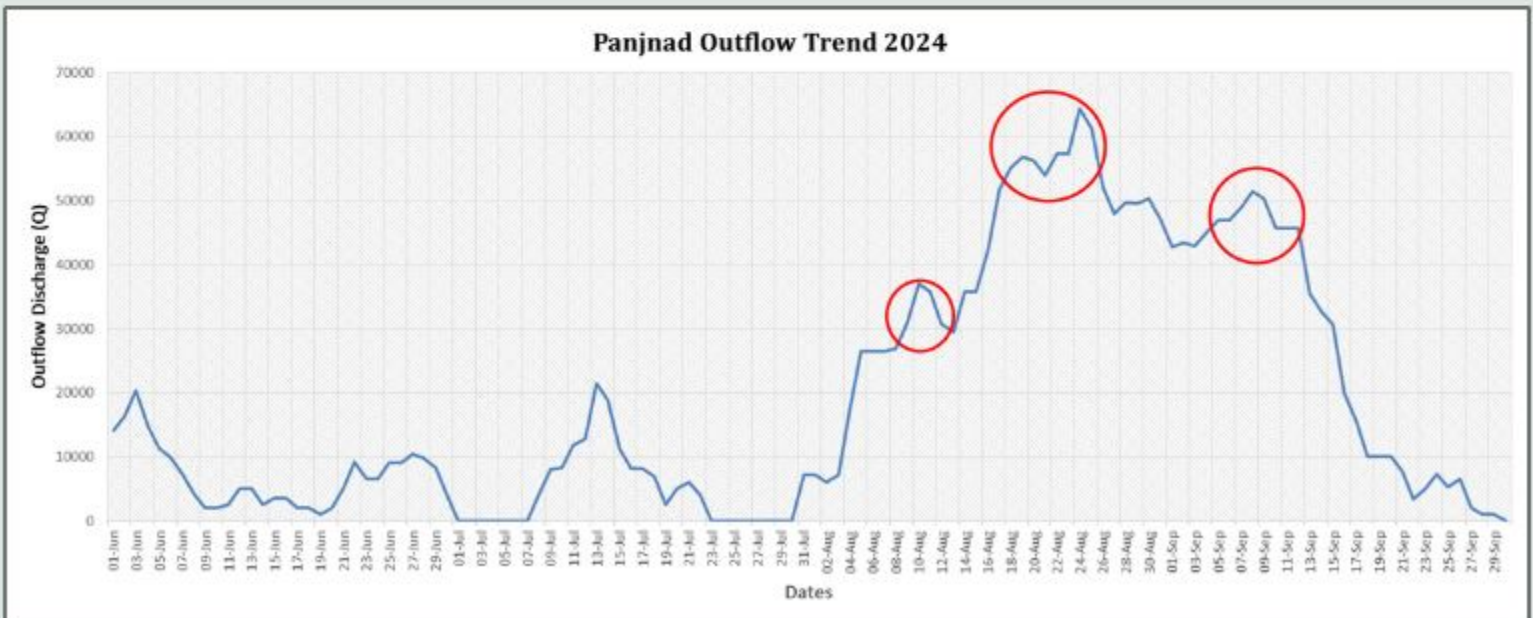


Graph No.9 shows River Chenab Flood 2024 at Qadirabad (Source NEOC/IFFD)

**Trimmu and Panjnad Outflows:** Cumulative discharge data for the lower Chenab River, specifically at the Trimmu and Panjnad outflow is crucial for accurately assessing the combined water volume entering southern Punjab. This information is essential for effective flood response planning and decision-making.



Graph No.10 shows River Chenab Flood 2024 at Trimmu (Source NEOC/IFFD)



Graph No.11 shows River Chenab Flood 2024 at Panjnad (Source NEOC/IFFD)



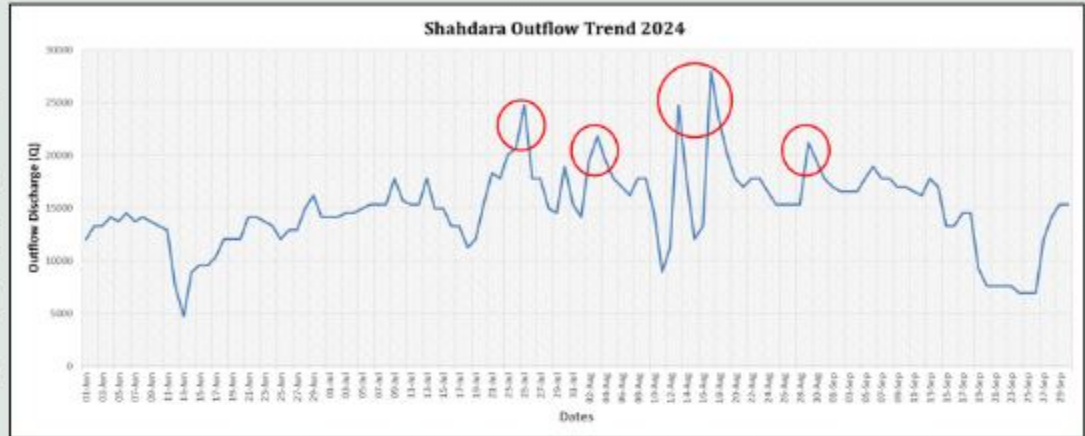
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## Significant Peak Discharge Reported (River Ravi)

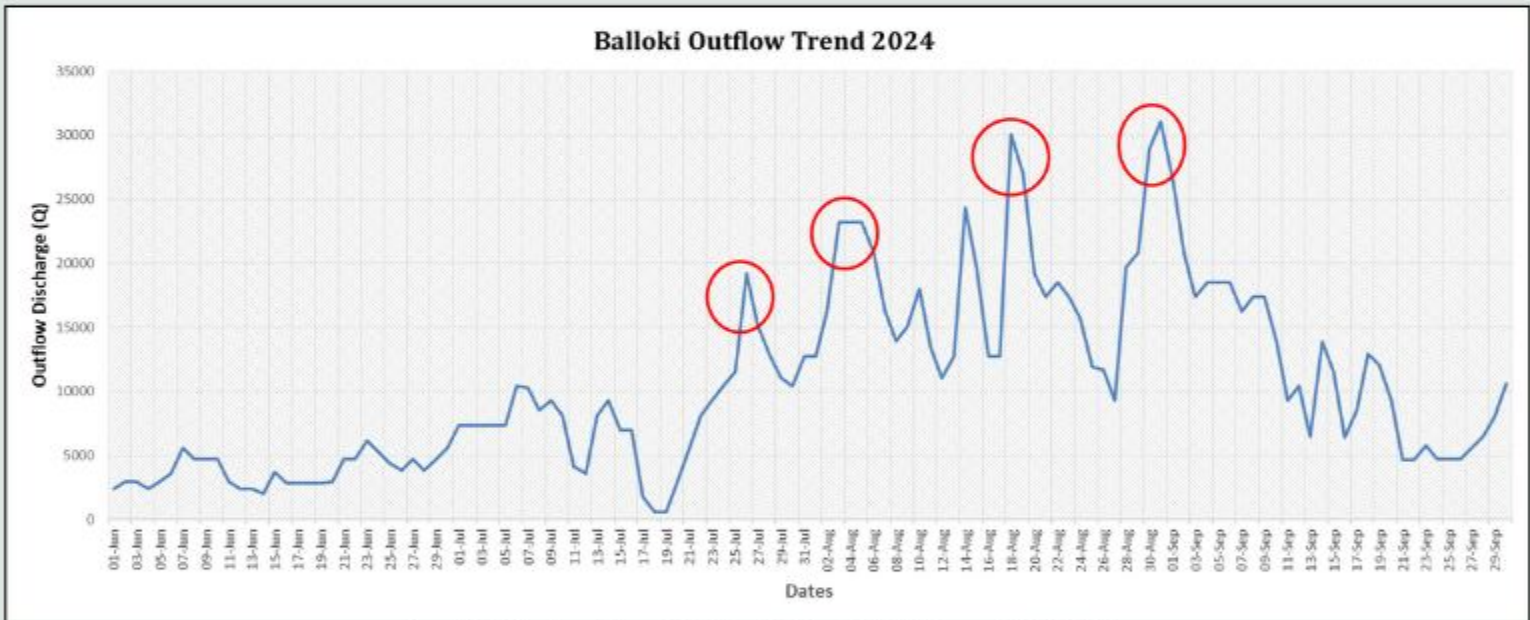
### River Ravi:

**Shahdara, Balloki and Sidhnai Outflows:** Each outflow chart reflects flood trends impacting urban and rural communities in the Ravi basin. These graphs



Graph No.12 shows River Ravi Flood 2024 at Shahdara (Source NEOC/IFFD)

are essential for monitoring urban flooding risks near Lahore and rural agricultural flood risks further downstream, providing a critical view for planning evacuations and protective measures.



Graph No.13 shows River Ravi Flood 2024 at Balloki (Source NEOC/IFFD)



Graph No.14 shows River Ravi Flood 2024 at Balloki (Source NEOC/IFFD)



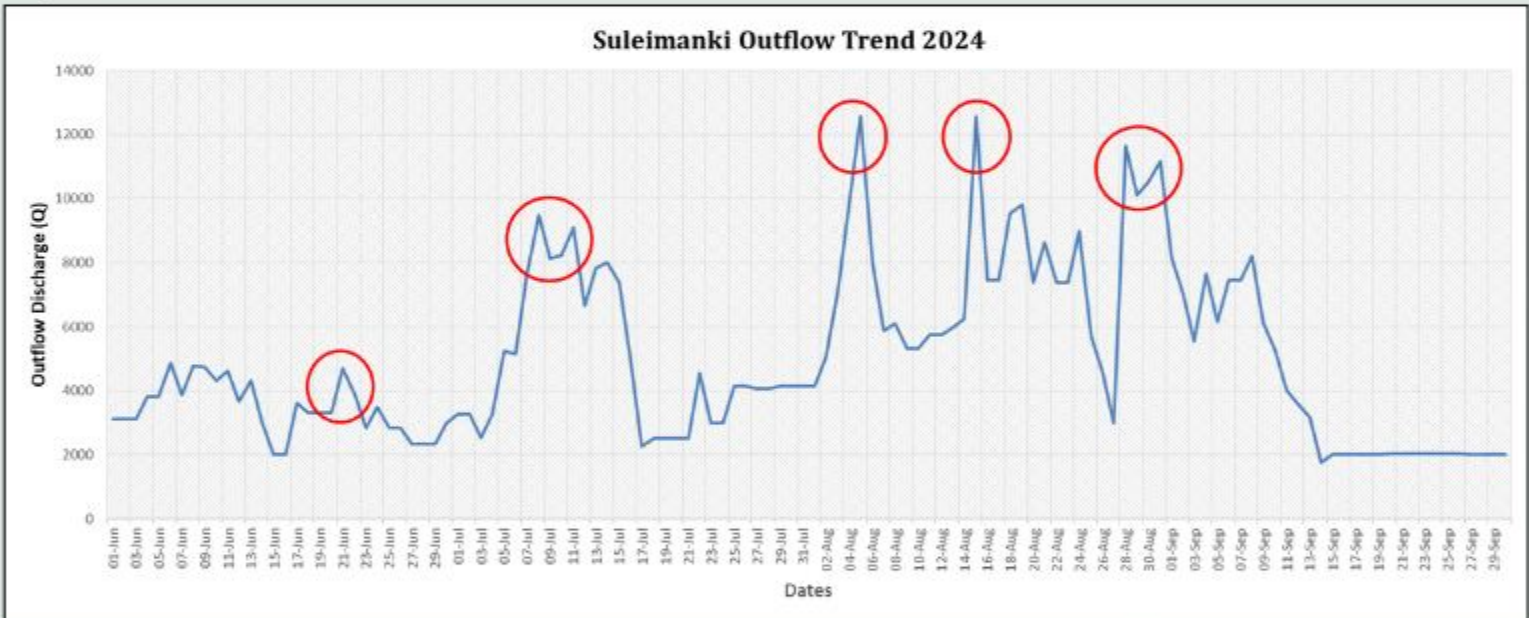
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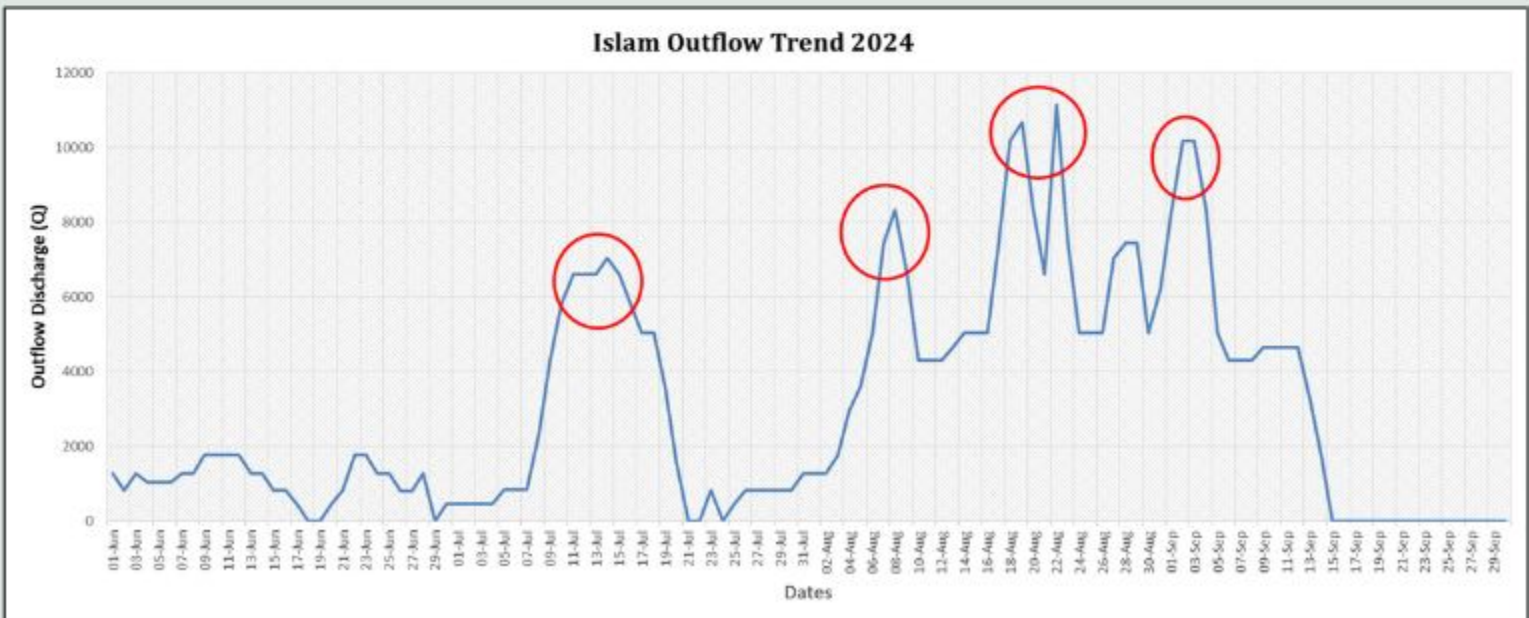
## Significant Peak Discharge Reported (River Sutlej)

### River Sutlej

**Suleimanki and Islam Outflows:** During the 2024 monsoon season, monitoring the Suleimanki and Islam outflows of the River Sutlej are critical due to the heightened risk of flash floods in eastern Punjab. The graph tracking peak discharges illustrate the flow patterns that can lead to sudden flooding, particularly in areas near the Pakistan-India border. This data is essential for issuing timely flood alerts, enabling local authorities to implement emergency response measures that protect vulnerable communities and farmlands. By understanding the dynamics of Sutlej's flow during this monsoon season, stakeholders can better prepare for potential flood events, ensuring the safety and resilience of those living in this flood-prone region.



Graph No.15 shows River Sutlej Flood 2024 at Suleimanki (Source NEOC/IFD)



Graph No.16 shows River Sutlej Flood 2024 at Islam (Source NEOC/IFD)



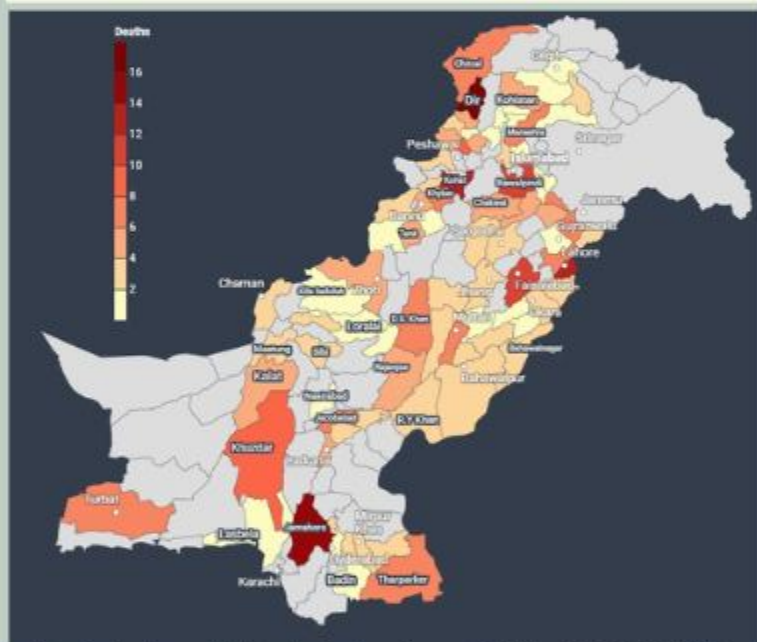
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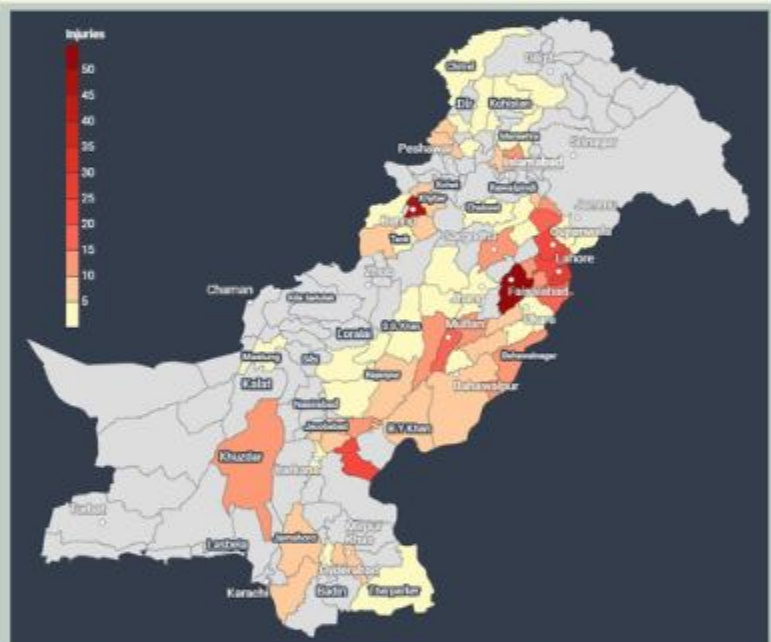
## Losses & Damages

The 2024 monsoon season had a profound humanitarian impacts across Pakistan, as severe weather events led to extensive loss of life and numerous injuries. A total of 280 people tragically lost their lives, with incidents spread across multiple regions, each facing heavy rainfall, flash floods, lightning strikes, roof collapses and landslides. Many of these casualties occurred in rural and mountainous areas where sudden landslides and flash floods caught residents off guard, limiting their chances to seek safety. Urban areas were also severely affected by roof collapses and electrocution hazards due to flooding and exposed wiring.

In addition to the loss of life, 523 individuals sustained various injuries ranging from fractures and cuts to more severe trauma caused by structural collapses and debris. The season's impact extended beyond human casualties, as 677 livestock were lost, heavily affecting the livelihoods of rural communities dependent on animal husbandry. A district-wise breakdown of fatalities, injuries and contributing causes is detailed below, highlighting the regions most vulnerable to monsoon hazards and underscoring the need for more robust response and preparedness measures.



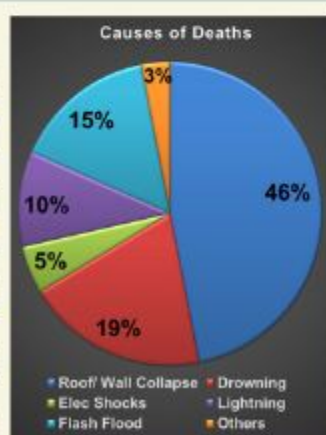
Map No.7 shows district wise deaths (Source PDMA's, GBDMA & SDMA)



Map No.8 shows district wise Injuries (Source PDMA's, GBDMA & SDMA)

Province	Male	Female	Child	Total
Balochistan	15	3	24	42
KP	40	21	51	112
Punjab	43	18	62	123
Sindh	25	13	39	77
GB	1	0	3	4
AJ&K	3	0	7	10
<b>Total</b>	<b>127</b>	<b>55</b>	<b>186</b>	<b>368</b>

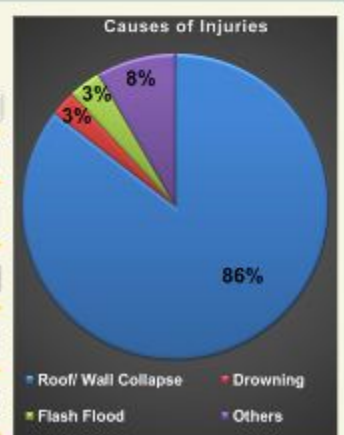
Table No.3 shows province wise deaths (Source PDMA's, GBDMA & SDMA)



Pie Chart No. 1 shows causes of deaths (Source PDMA's, GBDMA & SDMA)

Province	Male	Female	Child	Total
Balochistan	3	2	14	19
KP	45	34	67	146
Punjab	122	90	105	317
Sindh	66	27	66	159
GB	0	0	1	1
AJ&K	12	7	7	26
<b>Total</b>	<b>248</b>	<b>160</b>	<b>260</b>	<b>668</b>

Table No.4 shows province wise injuries (Source PDMA's, GBDMA & SDMA)



Pie Chart No. 2 shows causes of injuries (Source PDMA's, GBDMA & SDMA)





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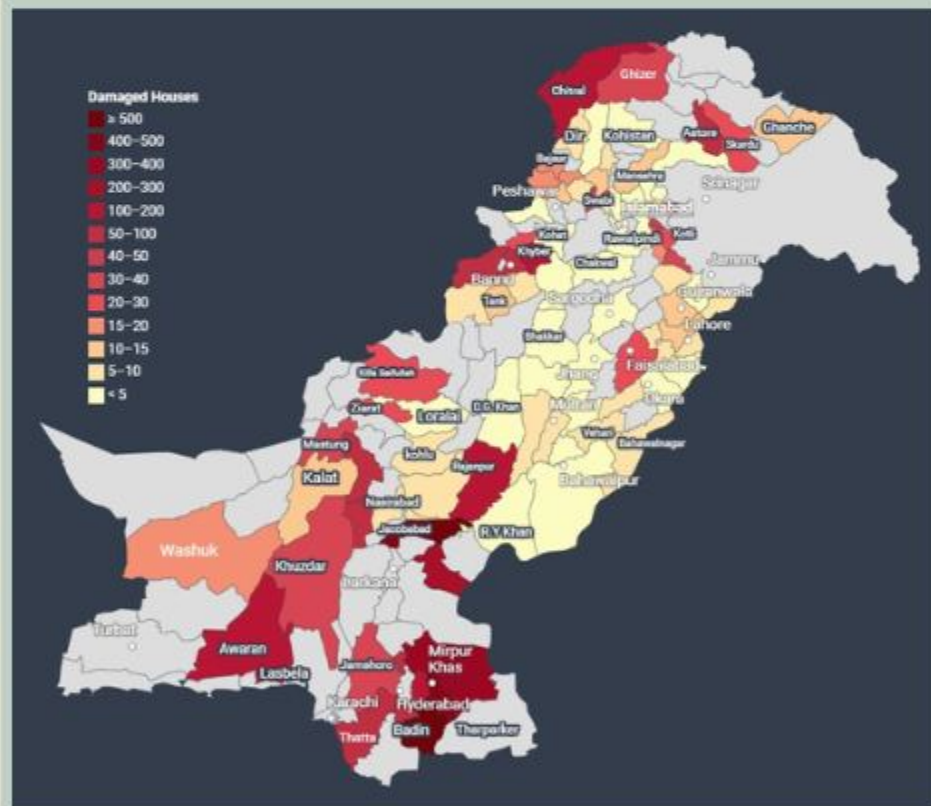


## Losses & Damages

The 2024 monsoon season had widespread effects across Pakistan, particularly in Balochistan, Sindh and KP, revealing significant vulnerabilities in infrastructure, housing and rural livelihoods. Balochistan faced the heaviest toll on roads with over 206 kilometers damaged, while KP experienced major connectivity challenges due to the destruction of 14 bridges. This situation is emphasizing the need for resilient construction, particularly in remote mountainous regions. Housing destruction was most severe in Sindh, with 39,145 homes impacted and 10,234 entirely destroyed, followed by Balochistan with 17,388 houses damaged, indicating gaps in flood-resistant design and planning across both provinces. Rural communities faced additional challenges due to substantial livestock losses, especially in Sindh.

Province/Region	Road km	Bridges	Partially House Damaged	Fully House Damaged	Total House Damaged	Livestock
Balochistan	206	7	15,797	1591	17,388	799
KP	0	14	716	263	979	152
Punjab	0	0	192	100	292	107
Sindh	293	3	26,252	12,893	39,145	1125
GB	2,210	14	109	65	174	80
AJ&K	0.283	4	159	62	221	20
<b>Total</b>	<b>501.49</b>	<b>42</b>	<b>43,225</b>	<b>14974</b>	<b>58,199</b>	<b>2,283</b>

Table No.5 shows provinces infrastructure damages (Source PDMA, GBDMA & SDMA)



Map No.9 shows district wise infrastructure damages (Source PDMA, GBMDA & SDMA)

The 2024 monsoon season had widespread effects across Pakistan, particularly in Balochistan, Sindh and KP, revealing significant livestock losses, especially in Sindh, where 585 animals perished, impacting local economies heavily dependent on animal husbandry. With these substantial losses across critical sectors, the findings highlight an urgent need for targeted infrastructure improvements, protective strategies for rural livelihoods and enhanced preparedness measures to bolster resilience and reduce the impact of future monsoon events.



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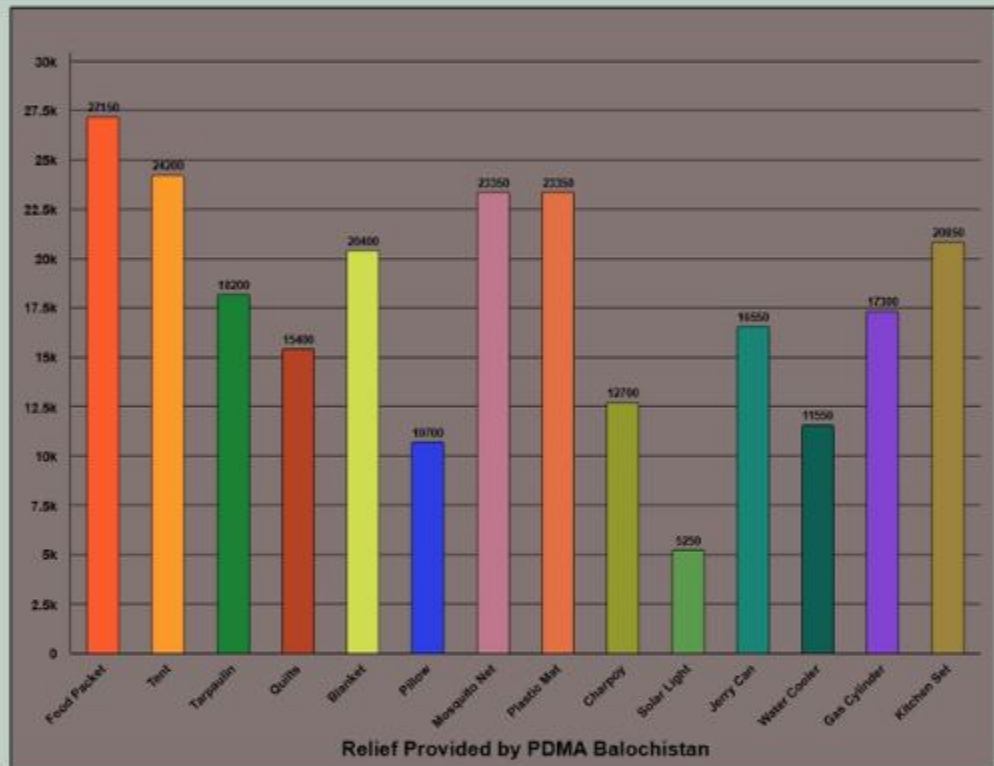


## Relief Provided

The following relief data provides an overview of the relief items distributed across provinces in Pakistan. Balochistan received 246,950 items, followed by Sindh with 159,107 items. Khyber Pakhtunkhwa and Gilgit-Baltistan were allocated relatively smaller quantities, with 4,968 and 2,641 items respectively. Punjab received 2,330 items, while SDMA had the lowest count at 41. This distribution highlights a significant concentration of relief in Balochistan and Sindh, reflecting possibly higher levels of need or logistical considerations in these areas.

### Balochistan

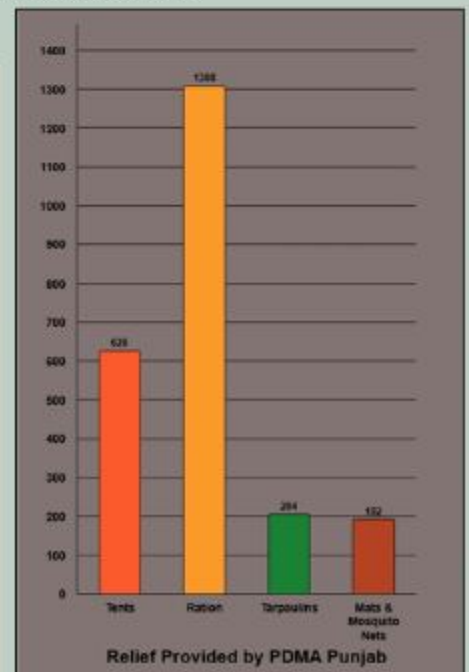
Balochistan received the largest share of relief items, primarily consisting of food packs, water bottles and tents, reflecting urgent basic needs in the region. The distribution includes significant quantities of blankets and medicines, addressing both shelter and healthcare. The volume underscores the extensive support directed to the province likely due to challenging conditions or higher demand in the area.



Graph No.17 Shows Relief Provided by PDMA Balochistan During Monsoon Season 2024 (Source PDMA Balochistan)

### Punjab

Punjab received a more modest relief allocation, with the majority consisting of food packs, along with limited supplies of tents and water bottles. Smaller quantities of blankets and basic medicine were provided, focusing on addressing temporary shelter and nutrition needs. Relief was primarily directed to districts such as Gera Ghazi Khan, Miawali, Rajanpur and Kot Addu. This distribution reflects targeted, smaller-scale support, likely based on specific areas needing aid, ensuring that the most vulnerable populations receive essential resources during challenging times.



Graph No.18 Shows Relief Provided by PDMA Punjab During Monsoon Season 2024 (Source PDMA Punjab)



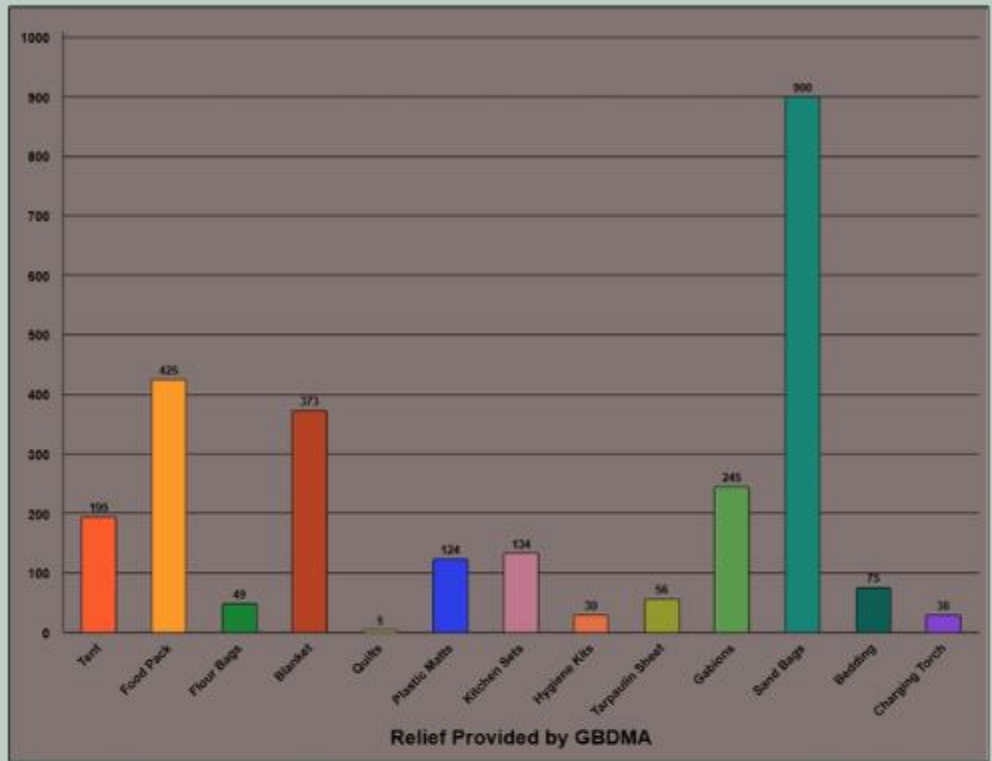
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## Relief Provided

### Gilgit-Baltistan

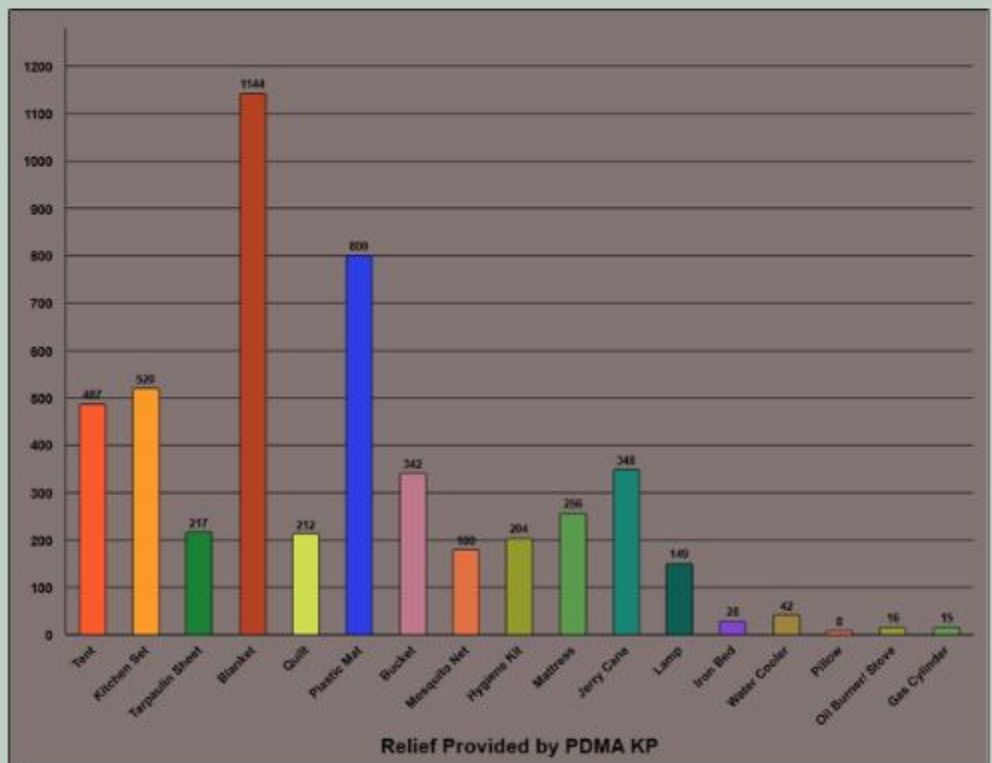
Gilgit-Baltistan received a focused relief package, predominantly comprising food supplies, tents and blankets to address the essentials for its colder climate. Smaller quantities of water bottles and medicine were also supplied. This allocation reflects targeted support for a smaller population and potentially fewer affected areas emphasizing on shelter and nutrition.



Graph No.19 Shows Relief Provided by GBDMA During Monsoon Season 2024 (Source GBDMA)

### Khyber Pakhtunkhwa

PDMA KP's distribution focused on critical necessities, with food packs and blankets forming the bulk of relief supplies. Tents and basic medical supplies were also included in moderate quantities, prioritizing shelter, food security and health. Relief was directed toward districts including Swat, Chitral, Nowshera, Dera Ismail Khan and Mansehra, which have been impacted by adverse conditions.



Graph No.20 Shows Relief Provided by PDMA KP During Monsoon Season 2024 (Source PDMA KP)

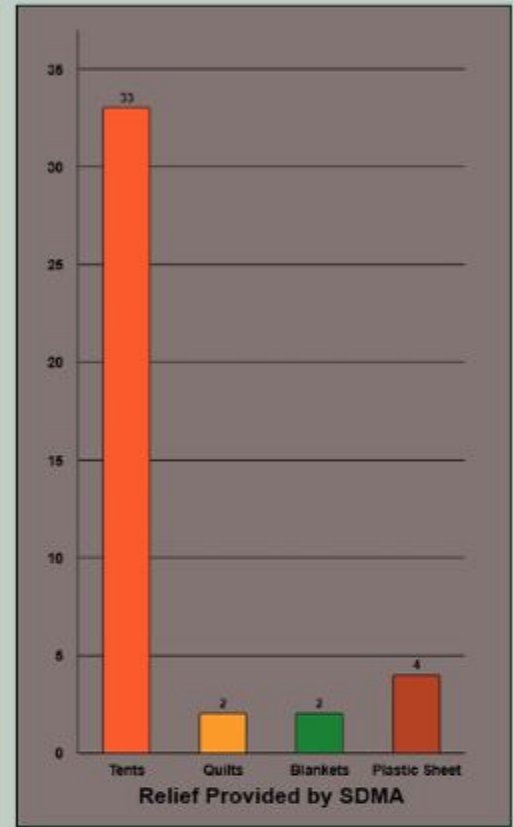
This allocation reflects the need to address both immediate and ongoing challenges in these vulnerable areas. Ensuring adequate support for these districts demonstrates a commitment to mitigating hardship and facilitating recovery for affected communities.



## Relief Provided

### Azad Jammu and Kashmir

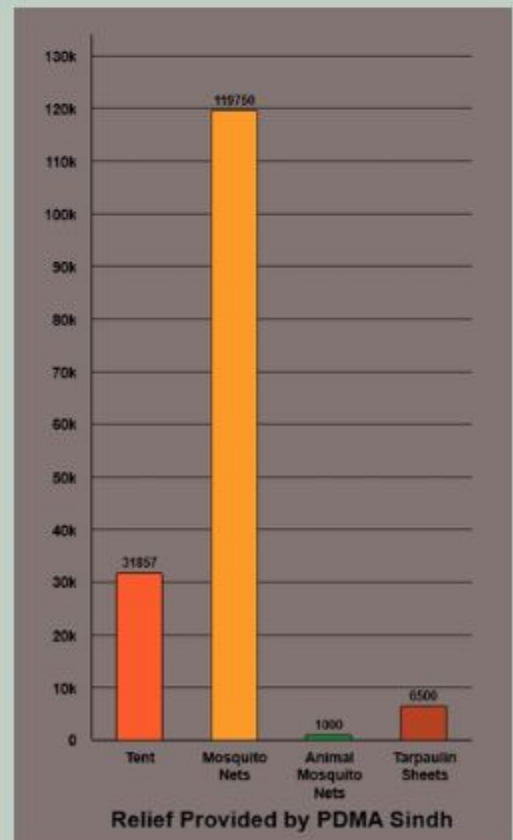
SDMA received a minimal distribution, comprising only a few essential items, likely for specific emergency preparedness or limited relief support. The allocation mainly included basic items like blankets and emergency supplies, indicating a modest focus on urgent relief for limited areas or populations. During the monsoon season of 2024, Azad Jammu and Kashmir experienced below-normal rainfall, resulting in minimal losses and damages. Consequently, the region required less relief distribution, with resources allocated proportionately to match the lower level of need this season. The reduced impact allowed authorities to focus on readiness measures and allocate resources efficiently. This approach reflects SDMA's adaptive response, ensuring that limited resources are directed where they are most needed.



Graph No.21 Shows Relief Provided by SDMA During Monsoon Season 2024 (Source SDMA)

### Sindh

Sindh's relief allocation was substantial, with a significant focus on essential items like food packs, tents and water bottles. The package included a large volume of blankets and medical kits, aimed at meeting immediate needs for shelter, food security and healthcare in the region. Tents and mosquito nets were among the most distributed items, reflecting the emphasis on protection against environmental and health risks, especially in flood-prone areas. The scale of this support indicates a high demand due to extensive impacts, likely from flooding or other severe weather events. The allocation demonstrates a commitment to providing comprehensive assistance to vulnerable communities, ensuring both short-term survival and medium-term stability. This extensive support is essential for helping affected populations rebuild and recover in a challenging environment.



Graph No.22 Shows Relief Provided by PDMA Sindh During Monsoon Season 2024 (Source PDMA Sindh)



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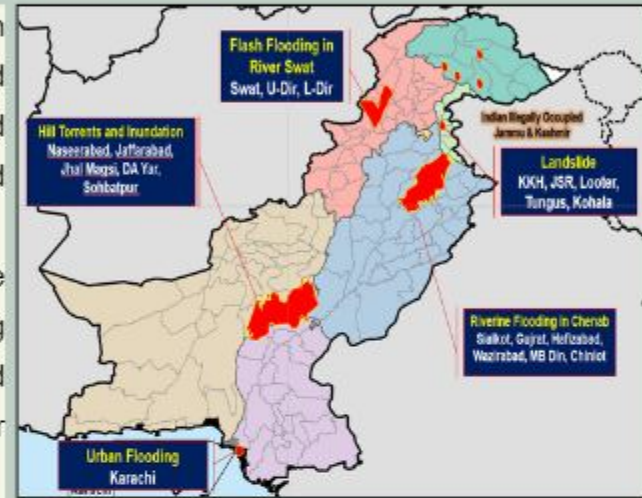
## Salient Aspects

### Timely Initiation of Monsoon Preparations

**1. Monsoon Coordination Conference and National Simulation Exercise:** Conducted from 4-5 June 2024, served as a proactive measure to enhance preparedness before the Monsoon season. Various high-risk disaster scenarios were simulated to test and refine response capacities across agencies, identify resource needs and strengthen inter-agency coordination. Key scenarios included:

**a. Flash Flooding in Khyber Pakhtunkhwa:** Sudden surges in the Swat and Kabul Rivers required rapid evacuations in Kalam Valley and nearby areas. This tested rescue coordination and the ability to mobilize shelters and medical support in isolated regions.

**b. Hill Torrents in Balochistan:** Heavy rains over the Kirthar and Suleiman Ranges simulated flooding in low-lying districts, emphasizing the need for early warnings and rapid deployment of flood barriers and evacuation plans for vulnerable communities.



**c. Urban Flooding in Karachi:** The simulation of heavy rainfall and drainage failure in Karachi highlighted coordination needs among municipal, rescue and medical teams, focusing on dewatering efforts and shelter management in coastal areas.

**d. Riverine Flooding in Punjab:** High water levels in the Chenab River led to simulated evacuations in riverside communities, testing the readiness of embankments, rescue assets and communication for timely alerts.

**e. Landslides in AJ&K and Gilgit-Baltistan:** Landslides along critical routes including the Karakoram Highway, tested road clearance efforts and the establishment of emergency routes, emphasizing timely evacuations and access restoration.

These exercises underscored critical response needs and improved interagency coordination, strengthening Pakistan's resilience to monsoon-related hazards

**2. National Monsoon Contingency Plan 2024:** Issued on June 28, 2024, the National Monsoon Contingency Plan 2024 provides disaster response guidelines to federal and provincial stakeholders, establishing a coordinated approach to potential monsoon-related hazards. Key aspects include:

**a. Risk Mapping & Early Warnings:** Updated hazard maps and early warning protocols help identify high-risk areas, enabling timely alerts and community preparedness.

**b. Roles & Resource Pre-positioning:** Clearly defined roles for agencies and pre-positioned resources such as rescue boats and emergency supplies ensure swift response in vulnerable zones.

**c. Coordination & Community Awareness:** Regular inter-agency coordination drills and public awareness campaigns enhance readiness and resilience in high-risk communities.

This contingency plan reinforces Pakistan's preparedness, aiming to protect lives, infrastructure and essential services during the monsoon season. By establishing clear protocols and resource allocations, it enhances the capacity of local authorities to respond swiftly to emergencies. Additionally, it promotes community engagement and awareness, ensuring that vulnerable populations are informed and equipped to minimize risks associated with flooding and other monsoon-related hazards.

## Salient Aspects

### Timely Initiation of Monsoon Preparations

**3. Activation of National Emergency Operations Center (NEOC):** Here's a more concise summary of how the timely activation of the National Emergency Operations Center (NEOC) by the National Disaster Management Authority (NDMA) helps mitigate the risks of monsoon floods and heavy rains in Pakistan:

Summary of NEOC's Role in Flood Mitigation

**a. Centralized Coordination:** The NEOC serves as a hub for coordination among government agencies, NGOs and local authorities facilitating real-time communication and information sharing.

**b. Risk Assessment:** It employs early warning systems to monitor weather patterns and assess flood risks, allowing for timely alerts to vulnerable communities.

**c. Resource Mobilization:** Early activation enables pre-deployment of essential resources, ensuring rapid logistical support to affected areas.

**d. Community Preparedness:** The NEOC organizes public awareness campaigns and training for local disaster management committees, enhancing community readiness for floods.

**e. Emergency Response:** It coordinates the activation of rapid response teams and integrates services for health, rescue and relief minimizing response times.

**f. Data Collection:** The NEOC gathers and analyzes data during and after flooding events to improve future preparedness and response strategies.

**g. International Collaboration:** It fosters partnerships with international agencies for additional resources and funding, enhancing the overall disaster response capability.

The NEOC's timely activation significantly strengthens Pakistan's resilience against monsoon floods, improving coordination, response efficiency and community preparedness, ultimately saving lives and reducing economic impacts.





## Salient Aspects

### Challenges

#### Resource Limitations:

The demand for additional rescue equipment and personnel was evident, especially in hard-to-reach areas. Limited resources strained the capacity to conduct timely rescues across all affected regions.

#### Communication Barriers:

In flood-hit districts, damaged infrastructure and network failures hindered effective communication between rescue teams, local authorities and affected populations. This delayed the coordination of efforts and the dissemination of emergency information.

#### Accessibility and Terrain Challenges:

Flooding created significant accessibility challenges in remote areas, particularly at higher altitudes where landslides posed an ongoing threat. Landslides had blocked roads and the limited availability of heavy machinery delayed deployment to affected areas. Blocked or submerged routes had hindered rescue teams from reaching certain communities promptly, necessitating the use of air and river-based resources for timely assistance.

#### Data and Coordination Gaps:

Limited access to real-time data made it challenging to track flood progression and predict high-risk zones accurately. This slowed coordination efforts among various agencies, affecting the deployment of resources and planning for evacuations.

#### Preparedness and Community Awareness:

In some districts, a lack of disaster preparedness and community awareness on flood response measures led to delays in evacuations, putting more people at risk. Increased efforts in pre-emptive community education and preparedness drills could mitigate this in future events.

#### Misinformation and Fake News:

The rapid spread of misinformation and fake news on social media created additional challenges during the monsoon season. False information regarding flood severity, evacuation orders and available resources led to confusion among affected communities, complicating rescue operations. This diverted critical resources and delayed response efforts, emphasizing the need for effective communication strategies and reliable information channels to combat misinformation during future crises.



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## Best Practices

### WEATHER MONITORING AND RISK ASSESSMENT



NDMA's technical team actively monitored weather conditions, river flows and conducted real-time risk assessments throughout the monsoon season. They utilized advanced satellite imagery and collaborated with PMD and FFD Lahore to receive continuous updates on potential flood threats. This proactive monitoring allowed for early identification of high-risk zones, enabling timely alerts to local authorities and at-risk communities. Additionally, the team's mapping of vulnerable areas supported strategic planning for relief operations and resource allocation, ensuring a more coordinated and effective disaster management response.

### RAINFALL DATA ANALYSIS AND RIVER FLOW MONITORING



The Pakistan Meteorological Department (PMD) consistently monitored and analyzed rainfall data against forecasts, offering regular updates on their website. In parallel, the Flood Forecasting Division (FFD) in Lahore maintained a live feed of river flows, closely tracking water levels across major rivers and streams in real-time. These combined efforts provided crucial insights, allowing authorities to promptly issue flood alerts to at-risk areas. Additionally, by analyzing data trends, PMD and FFD enabled local disaster management teams to make proactive decisions regarding evacuations and resource allocation. This coordinated monitoring and forecasting played an essential role in enhancing preparedness and minimizing risks throughout the monsoon season.

### NDMA'S VIRTUAL CALL CENTRE (VCC)



NDMA established a 24/7 Virtual Call Centre, enabling nationwide incident reporting and real-time updates, alongside the National Emergency Operations Centre (NEOC) for swift responses. This setup enhanced coordination, offered direct guidance to communities and allowed NDMA to monitor and allocate resources efficiently. By consolidating data from various regions, the Call Centre also supported informed decision-making and timely interventions during critical situations.

### MONSOON COORDINATION CONFERENCES



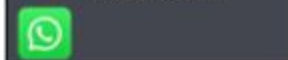
NDMA regularly held coordination conferences with key stakeholders, to monitor weather patterns and critical developments throughout the monsoon season. These meetings provided a platform for sharing real-time data, discussing emerging threats, and assessing the effectiveness of ongoing response efforts. By bringing together representatives from various sectors, the conferences facilitated timely decision-making and ensured that all parties were aligned on response strategies, ultimately improving the overall disaster response effectiveness.

### SOCIAL MEDIA AWARENESS



NDMA launched a dedicated Social Media Cell to engage youth and the public, offering real-time updates on weather conditions, road blockages and landslides. It also provided safety recommendations for domestic and international travelers, enhancing public awareness and safety during the monsoon season.

### INFORMATION SHARING VIA WHATSAPP



PDMA, GBDMA, SDMA, NHA and other key stakeholders established WhatsApp coordination groups to enhance real-time communication. These groups improved information sharing and collaboration, enabling quicker responses and more efficient resource allocation during the monsoon season.





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## Best Practices

### CONTINUOUS MONITORING AND PROACTIVE DECISION-MAKING



PDMA, GBDMA and SDMA closely monitored seasonal activities, continuously providing updates to local communities regarding weather conditions and potential risks. By collaborating with NDMA and PMD, they ensured that accurate and timely information was disseminated. In cases where threats were identified, these agencies implemented timely evacuations and proactive safety measures, including setting up temporary shelters and distributing essential supplies, ultimately helping to safeguard lives and reinforce community resilience against the impacts of the monsoon. Their collective efforts demonstrated a commitment to disaster preparedness and effective response.

### SIMULATION EXERCISES & MOCK FLOOD



NDMA conducted a national-level monsoon simulation exercise, followed by provincial-level drills in collaboration with PDMA which included flood mock drills across various districts. These exercises provided essential training opportunities, raising public awareness about flood risks and enhancing community preparedness. By simulating different flood conditions, these drills identified potential gaps in disaster response protocols and encouraged inter-agency collaboration. Feedback from participants helped refine response plans and improve coordination. Overall, these simulation drills were instrumental in building community resilience and strengthening the disaster management framework.

### MOBILE APP LAUNCH BY NDMA



NDMA launched a mobile app to enhance public access to real-time weather updates, disaster alerts and safety guidelines. This user-friendly app empowers individuals by providing critical information about weather changes and potential disasters in their area. In addition to delivering alerts, it allows users to report incidents, improving communication and response during emergencies. Overall, this mobile app significantly enhances public resilience and readiness in the face of natural disasters.

### FORMATION OF DISASTER RESPONSE COMMITTEE



On the direction of the Prime Minister, a Disaster Response Committee was formed, headed by the Honorable Minister of Planning and Development. The committee was tasked with overseeing the overall monsoon situation, including relief and recovery efforts, ensuring coordinated and effective disaster response measures. By regularly assessing the impact of the monsoon, the committee was able to adapt strategies in real-time ensuring that resources were allocated efficiently where they were needed most. This proactive approach significantly enhanced the government's ability to respond to the challenges during season.

### NDMA'S DAILY SITUATION REPORT



NDMA's daily situation reports included recommendations based on weather patterns, forecasts, losses, damages and road conditions, providing actionable insights to relevant stakeholders. These reports enabled timely decision-making and resource allocation, ensuring local authorities were well-informed and prepared to respond effectively to evolving situations.

### ACTIVATION OF EMERGENCY MANAGEMENT CELLS

Emergency and Crisis Management Cells across all services, including JCMC, FFC, FFD, PMD, PDMA and DDMA, were activated for proactive readiness during the monsoon season. This ensured real-time coordination and swift responses to challenges like heavy rainfall and flash floods.



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
01-Jul-24	Balochistan	Kech	1	0	0	1	Drowning	0	0	0	0	-
	Punjab	Narowal	0	0	0	0	-	0	1	1	2	Roof Collapse
02-Jul-24	Punjab	Gujranwala	0	0	0	0	-	1	0	0	1	Roof Collapse
	Sindh	Jamshoro	2	0	0	2	Roof Collapse	2	0	0	2	Celling Collapse
		Tharparkar	1	0	0	1	Sky Lightening	1	0	0	1	Sky Lightening
		Matiari	0	0	1	1	Wall Collapse	0	0	0	0	-
03-Jul-24	Sindh	Larkana	0	0	2	2	Heavy Rainfall	0	0	0	0	-
04-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
05-Jul-24	Punjab	Gujranwala	0	0	0	0	-	2	0	0	2	Roof Collapsed
06-Jul-24	Balochistan	Loralai	1	0	0	1	Lightning strike	0	0	0	0	-
	Punjab	Faisalabad	1	0	2	3	House Collapsed	1	1	3	5	House Collapsed
07-Jul-24	KP	N-Waziristan	0	2	0	2	House collapsed	0	0	0	0	House collapsed
	Punjab	Kasur	0	0	1	1	House collapsed	0	0	2	2	House collapsed
		Sheikhupura	0	0	1	1	House collapsed	0	2	4	6	House collapsed
		Faisalabad	0	0	0	0	-	0	3	1	4	House collapsed
		Narowal	0	0	0	0	-	1	1	1	3	House collapsed
08-Jul-24	KP	S-Waziristan	0	0	0	0	-	0	2	3	5	House collapsed
09-Jul-24	Punjab	Bahawalnagar	0	0	0	0	-	2	0	1	3	Roof Collapsed
		Gujranwala	0	0	0	0	-	2	0	0	2	Tree fall
	AJ&K	Kotli	0	0	1	1	Sky Lightning	0	0	0	0	-



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
10-Jul-24	Punjab	Lahore	1	0	1	2	House collapsed	0	0	0	0	-
	AJ&K	Mirpur	0	0	0	0	-	2	0	0	2	Electric pole fall
11-Jul-24	KP	Bannu	1	1	0	2	Hailstorm /Heavy rain	7	9	14	30	Hailstorm /Heavy rain
		North Waziristan	1	0	0	1	House collapsed	0	1	0	1	House collapsed
		Battagram	0	0	1	1	Sky lightning	0	0	0	0	-
12-Jul-24	KP	Bannu	0	0	0	0	-	5	0	1	6	House collapsed
	Sindh	Tharparkar	1	0	1	2	Sky lightning	0	0	0	0	-
13-Jul-24	KP	Bannu	0	0	0	0	-	2	0	1	3	House Collapse
	Punjab	Narowal	1	0	0	1	Sky lightning	0	0	0	0	-
		Lahore	0	0	1	1	House Collapse	0	0	0	0	-
		Sheikhupura	2	3	0	5	House Collapse	5	2	4	11	House Collapse
		Bahawalpur	0	0	1	1	House Collapse	0	0	0	0	-
		Faisalabad	1	0	0	1	House Collapse	2	3	1	6	House Collapse
		Gujranwala	0	0	0	0	-	1	1	0	2	House Collapse
Gujrat	0	0	0	0	-	1	0	1	2	House Collapse		
14-Jun-24	KP	Upper Dir	3	0	0	3	Flash Flood	0	0	0	0	-
	Punjab	Multan	0	0	2	2	Sky lightning	0	0	0	0	-
		Sargodha	0	0	1	1	House Collapse	0	0	2	2	House Collapse
		Vehari	0	1	1	2	1x House Collapse 1x Solar Penal Fall	6	3	3	12	5x House Collapse 2x Tree Fall 2x Solar Penal Fall



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
14-Jun-24	Punjab	Layyah	0	0	1	1	Sky Lightning	0	1	2	3	House Collapse
		Faisalabad	0	0	0	0	-	4	0	0	4	House Collapse
		Sheikhupura	0	0	0	0	-	0	0	1	1	House Collapse
15-Jul-24	KP	Bajaur	0	0	0	0	-	0	0	1	1	House Collapse
16-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
17-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
18-Jul-24	KPK	Charsadda	1	1	0	2	Room Collapsed	0	1	0	1	Room Collapsed
19-Jul-24	Punjab	Gujrat	0	0	1	1	Building Collapsed	1	1	1	3	Building Collapsed
		Khanewal	0	0	0	0	-	0	1	1	2	Building Collapsed
		Wazirabad	0	0	0	0	-	0	1	0	1	Building Collapsed
20-Jul-24	KP	Karak	0	0	0	0	-	1	1	0	2	House collapsed
	Punjab	Khanewal	0	0	1	1	Roof Collapsed	1	0	0	1	Roof collapsed
21-Jul-24	Balochistan	Khuzdar	0	0	1	1	Roof Collapsed	0	0	9	9	Roof Collapsed
22-Jul-24	Punjab	Faisalabad	0	0	0	0	-	0	1	0	1	House Collapsed
	Sindh	Larkana	0	0	1	1	Electric shock	0	0	0	0	-
23-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
24-Jul-24	Sindh	Umerkot	1	0	0	1	Sky Lightning	0	0	0	0	-
		Tharparkar	0	1	2	3	Sky Lightning	0	0	0	0	-
	Gilgit Baltistan	Diamer	0	0	1	1	Sky Lightning	0	0	1	1	Sky Lightning



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
14-Jul-24	Punjab	Layyah	0	0	1	1	Sky Lightning	0	1	2	3	House Collapse
		Faisalabad	0	0	0	0	-	4	0	0	4	House Collapse
		Sheikhupura	0	0	0	0	-	0	0	1	1	House Collapse
15-Jul-24	KP	Bajaur	0	0	0	0	-	0	0	1	1	House Collapse
16-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
17-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
18-Jul-24	KPK	Charsadda	1	1	0	2	Room Collapsed	0	1	0	1	Room Collapsed
19-Jul-24	Punjab	Gujrat	0	0	1	1	Building Collapsed	1	1	1	3	Building Collapsed
		Khanewal	0	0	0	0	-	0	1	1	2	Building Collapsed
		Wazirabad	0	0	0	0	-	0	1	0	1	Building Collapsed
20-Jul-24	KP	Karak	0	0	0	0	-	1	1	0	2	House collapsed
	Punjab	Khanewal	0	0	1	1	Roof Collapsed	1	0	0	1	Roof collapsed
21-Jul-24	Balochistan	Khuzdar	0	0	1	1	Roof Collapsed	0	0	9	9	Roof Collapsed
22-Jul-24	Punjab	Faisalabad	0	0	0	0	-	0	1	0	1	House Collapsed
	Sindh	Larkana	0	0	1	1	Electric shock	0	0	0	0	-
23-Jul-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
24-Jul-24	Sindh	Umerkot	1	0	0	1	Sky Lightning	0	0	0	0	-
		Tharparkar	0	1	2	3	Sky Lightning	0	0	0	0	-
	Gilgit Baltistan	Diamer	0	0	1	1	Sky Lightning	0	0	1	1	Sky Lightning



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
25-Jul-24	KP	Khyber	1	0	0	1	Flash Flood	0	0	0	0	
		Karak	0	0	0	0	-	2	1	0	3	House Collapsed
		Hangu	0	0	0	0	-	0	0	2	2	Wall Collapsed
	Sindh	Umerkot	0	0	1	1	Sky lighting	0	0	0	0	-
26-Jul-24	Balochistan	Zhob	0	0	1	1	Flash Flood	0	0	0	0	-
27-Jul-24	KP	Karak	0	0	0	0	-	1	0	0	1	Roof Collapsed
	Punjab	Gujrat	0	0	1	1	Roof Collapsed	2	0	3	5	Roof Collapsed
		Rawalpindi	1	0	1	2	Roof Collapsed	0	0	0	0	-
28-Jul-24	Punjab	Gujrat	0	0	0	0	-	1	1	0	2	Roof Collapsed
	AJ&K	Bhimber	0	0	1	1	Roof Collapsed	1	0	2	3	Roof Collapsed
29-Jul-24	KP	Abbottabad	0	0	0	0	-	5	0	0	5	Land Sliding
	Punjab	Gujrat	0	1	0	1	Roof Collapsed	1	1	0	2	Roof Collapsed
		Lahore	0	0	1	1	Roof Collapsed	0	0	1	1	Roof Collapsed
	AJ&K	Mirpur	0	0	1	1	House Collapsed	1	0	3	4	House Collapsed
		Mzd	0	0	0	0	-	2	0	0	2	Land Sliding
30-Jul-24	KP	Kohat	2	2	6	10	Drowning					-
		Bajaur	0	1	1	2	Roof Collapsed	0	1	1	2	Room Collapsed
		Hangu	0	1	0	1	Roof Collapsed	0	1	1	2	Room Collapsed
		Abbottabad	0	0	0	0	-	1	0	1	2	Land sliding



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## Date Wise Losses and Damages

### Losses and Damages for the Month of July

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
30-Jul-24	Punjab	Faisalabad	0	0	1	1	Room Collapsed	0	1	1	2	Roof Collapsed
		Rawalpindi	1	0	0	1	Land sliding	0	0	0	0	-
		Gujranwala	0	0	0	0	-	0	1	0	1	Roof Collapsed
		Mandi Bahaudin	0	0	0	0	-	1	0	0	1	Roof Collapsed
		Sheikhupura	0	0	0	0	-	3	1	1	5	Roof Collapsed
31-Jul-24	Balochistan	Loralai	0	0	1	1	Sky Lighting	0	0	0	0	-
	KP	Lower-Chitral	1	0	0	1	Flash Flood	0	0	0	0	-
		Lower-Dir	0	0	2	2	House Collapsed	0	0	0	0	-
		Lower Kohistan	0	0	1	1	Flash Flood	0	0	0	0	-
		Upper Kohistan	0	0	1	1	Flash Flood	0	0	0	0	-
		Haripur	1	0	0	1	Roof Collapsed	1	0	0	1	Roof Collapsed
		Charsadda	0	0	0	0	-	0	1	1	2	House Collapsed
		Bajaur	0	0	0	0	-	0	0	2	2	House Collapsed
		Shangla	0	0	0	0	-	1	0	0	1	House Collapsed
		Abbottabad	0	0	0	0	-	3	0	0	3	House Collapsed
	Punjab	Faisalabad	0	2	0	2	Roof Collapsed	0	3	1	4	Room Collapsed
		Rawalpindi	0	2	0	2	Roof Collapsed	0	0	0	0	-
		Jhelum	0	1	1	2	Electric Shock	0	1	1	2	Room Collapsed
Sindh	Tharparkar	3	0	5	8	Sky Lighting	0	0	0	0	-	
<b>Total</b>			<b>29</b>	<b>20</b>	<b>52</b>	<b>101</b>		<b>79</b>	<b>51</b>	<b>82</b>	<b>212</b>	



# POST MONSOON REPORT 2024



## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
01-Aug-24	KP	Upper-Chitral	2	0	0	2	Flash Flood	2	0	0	2	Flash Flood
		Manshera	0	1	1	2	Flash Flood	0	0	0	0	-
		Mohmand	0	1	0	1	House Collapsed	0	0	0	0	-
02-Aug-24	KP	Kohat	2	0	0	2	Land Sliding	0	0	0	0	-
		Buner	1	0	0	1	House Collapsed	0	0	0	0	-
		Upper-Chitral	1	0	0	1	Flash Flood	0	0	0	0	-
		Upper Dir	0	0	1	1	Flash Flood	0	0	0	0	-
		Abbottabad	0	0	1	1	Flash Flood	0	0	0	0	-
		Mardan	0	0	0	0		0	2	0	2	Roof Collapsed
	Punjab	Lahore	1	0	3	4	1x Building Collapsed 2x Electric Shock 1x Drowning	2	3	2	7	5x Building Collapsed 2x Roof Collapsed
		Rawalpindi	0	1	0	1	Drowning	0	0	0	0	-
		Murree	1	0	0	1	Drowning	1	0	0	1	Drowning
		Gujranwala	0	0	0	0	-	2	2	1	5	4x Roof Collapsed 1x Wind Storm
		Narowal	0	0	0	0	-	0	1	0	1	Roof Collapsed
		Kasur	0	0	0	0	-	0	1	1	2	Roof Collapsed
Sheikhupura		0	0	0	0	-	1	1	1	3	Roof Collapsed	
AJ&K	Mirpur	0	0	0	0	-	1	1	0	2	Roof Collapsed	





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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
05-Aug-24	KP	Tank	0	1	2	3	Roof Collapsed	1	0	3	4	Roof Collapsed
		Karak	2	0	2	4	Flash Flood	0	0	1	1	Flash Flood
		Upper-Chitral	2	0	0	2	Flash Flood	1	0	0	1	Flash Flood
		Lower Dir	1	1	0	2	Roof Collapsed	0	0	0	0	-
		Charsadda	0	1	0	1	Roof Collapsed	1	0	0	1	Roof Collapsed
		South Waziristan	0	1	0	1	Wall Collapsed	0	0	0	0	-
		North Waziristan	0	0	0	0	-	0	2	7	9	Roof Collapsed
		Swat	0	0	0	0	-	2	0	0	2	Roof Collapsed
	Punjab	R Y Khan	0	0	0	0	-	4	0	0	4	Roof Collapsed
		Gujrat	0	0	0	0	-	0	1	1	2	Roof Collapsed
Mandi Bahaudin		0	0	0	0	-	0	1	0	1	Roof Collapsed	
Sindh	Jacobabad	0	1	1	2	House Collapsed	1	1	0	2	House Collapsed	
06-Aug-24	Balochistan	Sibi	1	0	0	1	Flash Flood	0	0	0	0	
		Khuzdar	1	0	0	1	Flash Flood	0	0	0	0	-
	KP	Mohmand	0	0	2	2	Flash Flood	0	0	0	0	-
		Mansehra	0	0	1	1	Flash Flood	0	0	0	0	-
	Punjab	Sialkot	3	0	0	3	House Collapsed	0	0	0	0	-
		Nankana Sahib	0	0	0	0	-	1	0	1	2	Electric Shock
	Sindh	Jacobabad	0	0	2	2	House Collapsed	0	0	0	0	-
Jamshoro		0	0	0	0	-	0	0	2	2	House Collapsed	



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
07-Aug-24	KP	Hangu	0	0	1	1	Flash Flood	0	0	0	0	-
	Punjab	Bahawalpur	0	0	0	0	-	0	0	4	4	Roof Collapsed
	Sindh	Jamshoro	1	1	1	3	Roof Collapsed	1	1	0	2	Roof Collapsed
08-Aug-24	Balochistan	Kalat	1	0	0	1	Flash Flood	0	0	0	0	-
	KP	Charsadda	0	0	0	0	-	0	1	0	1	Wall Collapsed
	Punjab	Rawalpindi	0	0	2	2	Flash Flood	0	0	0	0	-
	Sindh	Korangi	0	1	0	1	Roof Collapsed	0	1	3	4	Roof Collapsed
	Gilgit Baltistan	Gilgit	1	0	0	1	Flash Flood	0	0	0	0	-
09-Aug-24	Balochistan	Ziarat	2	0	0	2	Flash Flood	0	0	0	0	-
	Punjab	Rawalpindi	0	0	1	1	Flash Flood	0	0	0	0	-
		Talagang	0	0	1	1	Roof Collapsed	0	0	0	0	-
		Gujranwala	0	0	1	1	Roof Collapsed	0	0	0	0	-
10-Aug-24	Balochistan	Khuzdar	0	0	1	1	Flash Flood	0	0	0	0	-
	KP	Mohmand	0	0	0	0	-	0	0	1	1	Wall Collapse
	Punjab	Bahawalpur	0	1	0	1	Roof Collapsed	1	0	0	1	Roof Collapsed
		Talagang	0	0	2	2	Drowning	0	0	0	0	-
11-Aug-24	Punjab	Lahore	0	0	0	0	-	2	6	7	15	Roof Collapsed
	Gilgit Baltistan	Astore	0	0	2	2	Flash Flood	0	0	0	0	-
	AJ&K	Bhimber	0	0	1	1	Drowning	0	0	0	0	-
12-Aug-24	Balochistan	Hub	1	0	0	1	Drowning	0	0	0	0	-
	Punjab	Lahore	1	0	0	1	Roof Collapsed	1	1	6	8	Roof Collapsed
	AJ&K	Bhimber	0	0	1	1	Roof Collapsed	1	2	0	3	Roof Collapsed
13-Aug-24	Balochistan	Hub	2	0	0	2	Drowning	0	0	0	0	-
	KP	Mansehra	0	0	0	0	-	0	0	1	1	Roof Collapsed



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
15-Aug-24	All PDMAs	-	0	0	0	0	-	0	0	0	0	-
16-Aug-24	KP	Khyber	1	0	0	1	Flash Flood	0	0	0	0	-
		Upper Kohistan	0	0	1	1	Flash Flood	0	0	0	0	-
	Punjab	Bakhar	0	0	0	0	-	1	0	0	1	Roof Collapsed
17-Aug-24	Balochistan	Kohlu	0	0	0	0	-	0	0	2	2	Roof Collapsed
	KP	Bannu	0	0	1	1	Wall Collapse	0	1	0	1	Wall Collapse
	Punjab	Faisalabad	1	0	1	2	Roof Collapse	0	0	0	0	-
		Narowal	1	0	0	1	Flash Flood	0	0	0	0	-
		Jhang	0	0	0	0	-	0	0	3	3	Roof Collapsed
		Multan	0	0	0	0	-	2	1	1	4	Roof Collapsed
Sindh	Jamshoro	1	0	0	1	Sky lighting	0	0	0	0	-	
18-Aug-24	Balochistan	Zhob	0	0	1	1	Flash Flood	0	0	0	0	-
		Chaman	0	0	0	0	-	0	0	1	1	Roof Collapsed
	Punjab	Faisalabad	3	0	0	3	Roof collapse	2	1	0	3	Roof collapse
		Sialkot	1	0	2	3	Drowning	0	0	0	0	-
		Bahawalpur	0	0	0	0	-	2	0	1	3	Roof Collapsed
		Muzaffargarh	0	0	0	0	-	0	0	2	2	Roof Collapsed
Rajanpur	0	0	0	0	-	4	0	2	6	Roof Collapsed		
Narowal	0	0	0	0	-	1	0	0	1	Roof Collapsed		



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
18-Aug-24	Punjab	Sahiwal	0	0	0	0	-	1	0	1	2	Roof Collapsed
		Sargodha	0	0	0	0	-	0	1	1	2	Roof Collapsed
20-Aug-24	Balochistan	Dera Bugti	0	0	0	0	-	1	0	0	1	Roof Collapsed
	Punjab	DG Khan	1	0	0	1	Flash Flood	1	0	0	1	Roof Collapsed
		Rajanpur	1	0	1	2	Flash Flood	1	2	0	3	Flash Flood
		Muzaffargarh	0	0	0	0	-	0	1	0	1	House Collapsed
	Sindh	Jamshoro	0	1	0	1	Electric Shock	0	0	0	0	-
		Shikarpur	1	0	0	1	Sky Lightning	3	2	0	5	Roof Collapsed
21-Aug-24	Balochistan	Barkan	1	0	0	1	Flash Flood	0	0	0	0	-
		Usta Mohd	0	0	0	0	-	0	0	1	1	Roof Collapsed
	KP	Mohmand	0	1	0	1	Room Collapsed	0	2	3	5	Room Collapsed
		Mansehra	0	1	1	2	Roof Collapsed	0	0	0	0	-
		Tank	0	0	0	0	-	1	0	0	1	Flash Flood
	Sindh	Kashmore	0	1	0	1	Roof Collapsed	1	0	6	7	Roof Collapsed
Jacobabad		0	1	0	1	Wall Collapsed	0	0	0	0	-	
22-Aug-24	KP	Bannu	0	1	1	2	House Collapsed	0	0	7	7	House Collapsed
		N-Waziristan	0	0	0	0	-	0	0	1	1	House Collapsed
		Hangu	0	0	0	0	-	1	0	0	1	Room Collapsed
	Punjab	Chakwal	1	1	0	2	Room Collapsed	0	0	1	1	Room Collapsed
		Gujranwala	0	0	0	0	-	1	0	0	1	Roof Collapsed



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
23-Aug-24	Punjab	Sahiwal	1	0	0	1	Electric Shock	0	0	0	0	-
24-Aug-24	KP	Shangla	1	0	0	1	House Collapsed	0	0	0	0	-
		Upper Dir	1	0	0	1	Lightning Strike	0	0	0	0	-
25-Aug-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
26-Aug-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
27-Aug-24	AJ&K	Sudhnoti	1	0	0	1	Drowning	0	0	0	0	-
28-Aug-24	KP	Karak	0	0	1	1	Drowning	0	0	0	0	-
	Punjab	Rajanpur	0	0	1	1	Sky Lightning	0	0	0	0	-
		Kot Addu	0	1	0	1	House Collapsed	0	2	1	3	House Collapsed
		Muzaffargarh	0	0	0	0	-	0	2	0	2	House Collapsed
		Kasur	0	0	0	0	-	0	0	1	1	House Collapsed
		Sahiwal	0	0	0	0	-	0	1	0	1	House Collapsed
Sindh	Thatta	0	0	0	0	-	6	1	0	7	House Collapsed	
29-Aug-24	Balochistan	Mastung	1	0	0	1	Flash Flood	1	0	0	1	Flash Flood
		Kech	0	0	4	4	Drowning	0	0	0	0	-
	KP	Lakki Marwat	0	1	0	1	Roof Collapsed	0	0	0	0	-



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
29-Aug-24	Punjab	Bahawalnagar	0	0	2	2	Roof Collapsed	2	1	1	4	Roof Collapsed
		Kasur	0	0	1	1	Roof Collapsed	0	0	0	0	
		Multan	1	0	0	1	Roof Collapsed	2	0	0	2	Roof Collapsed
		Faisalabad	0	0	1	1	Roof Collapsed	0	0	0	0	-
		Jhelum	0	0	1	1	Drowning	0	0	0	0	-
		Pakpattan	1	0	0	1	Electric Shock	0	0	0	0	-
		Sheikhupura	0	0	0	0	-	1	1	0	2	Roof Collapsed
		Khanewal	0	0	0	0	-	1	1	0	2	Roof Collapsed
	Sahiwal	0	0	0	0	-	0	1	0	1	Roof Collapsed	
Sindh	Hyderabad	0	0	1	1	Roof Collapsed	2	1	1	4	Roof Collapsed	
30-Aug-24	KP	Upper Dir	1	3	8	12	Flash Flood	0	0	0	0	-
		Shangla	0	0	0	0	-	0	0	1	1	House Collapsed
	Punjab	Vehari	0	0	1	1	Electric Shock	0	0	0	0	-
		Okara	0	1	2	3	Roof Collapsed	0	1	3	4	Roof Collapsed
		Sargodha	1	0	0	1	Roof Collapsed	5	1	0	6	Roof Collapsed
		Bahawalnagar	0	0	0	0	-	0	1	2	3	Roof Collapsed
		Faisalabad	0	0	0	0	-	0	2	0	2	Roof Collapsed
		Gujranwala	0	0	0	0	-	1	0	0	1	Roof Collapsed
Pakpattan	0	0	0	0	-	4	0	0	4	Roof Collapsed		
Sahiwal	0	0	0	0	-	0	2	2	4	Roof Collapsed		



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## Date Wise Losses and Damages

### Losses and Damages for the Month of August

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
30-Aug-24	Punjab	Multan	0	0	0	0	-	4	3	1	8	Roof Collapsed
	Sindh	Tando Allahyar	1	0	0	1	Roof Collapsed	8	0	0	8	Roof Collapsed
		Mirpurkhas	0	0	0	0	-	2	1	2	5	Roof Collapsed
	AJ&K	Neelum	1	0	0	1	Drowning	0	0	0	0	-
		Bhimber	1	0	0	1	Drowning	0	0	0	0	-
31-Aug-24	Punjab	Rajanpur	0	0	1	1	Roof Collapsed	1	0	1	2	Roof Collapsed
		Faisalabad	0	0	2	2	Roof Collapsed	5	3	2	10	Roof Collapsed
		Gujranwala	1	0	0	1	Roof Collapsed	2	0	0	2	Roof Collapsed
		Multan	2	0	0	2	1x Roof Collapsed 1xSky Lightning	0	0	4	4	Roof Collapsed
		Bahawalnagar	0	0	0	0	-	1	1	0	2	Roof Collapsed
		Kasur	0	0	0	0	-	0	0	1	1	Roof Collapsed
	Sindh	Kashmore	1	0	0	1	Roof Collapsed	0	0	0	0	-
		Jamshoro	0	0	1	1	House Collapsed	3	3	5	11	House Collapsed
	AJ&K	Mirpur	0	0	0	0	-	1	2	0	3	House Collapsed
<b>Total</b>			<b>69</b>	<b>27</b>	<b>87</b>	<b>183</b>		<b>132</b>	<b>86</b>	<b>123</b>	<b>341</b>	



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## Date Wise Losses and Damages

### Losses and Damages for the Month of September

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
01-Sep-24	Balochistan	Qila Saifullah	1	0	0	1	Flash Flood	0	0	0	0	-
		Chaman	0	0	1	1	Drowning	0	0	0	0	-
	KP	Haripur	0	0	0	0	-	0	0	1	1	House Collapsed
	Punjab	Gujrat	0	0	1	1	House Collapsed	0	0	0	0	-
		Jhelum	1	0	0	1	Flash Flood	0	0	0	0	-
		Faisalabad	0	0	0	0	-	1	1	2	4	Roof Collapsed
		Gujranwala	0	0	0	0	-	1	0	0	1	Roof Collapsed
	Sindh	Jamshoro	1	0	4	5	2x Electric shock 3x Drowning					-
		Matiari	1	1	0	2	1x Wall Collapse 1x Drowning					-
		Mirpurkhas	2	0	0	2	Drowned in flood	1	1	0	2	Drowned in flood
AJ&K	Bhimber	0	0	0	0	-	3	2	2	7	House Collapsed	
02-Sep-24	Balochistan	Chaman	0	0	0	0	-	0	0	1	1	Flash Flood
	KP	Bajaur	0	0	0	0	-	1	1	0	2	House Collapsed
	Sindh	Mirpurkhas	0	0	0	0	-	1	2	0	3	Drowned in flood
03-Sep-24	Balochistan	Sibi	1	1	0	2	Flash Flood	0	0	0	0	-
		Surab	0	0	1	1	Drowning	0	0	0	0	-
	KP	Upper Kohistan	3	0	0	3	Land Sliding	1	0	0	1	Land Sliding
		Malakand	0	0	1	1	Sky Lightning	0	0	0	0	-
	Punjab	Khushab	2	0	0	2	Mud Sliding	0	0	0	0	-





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## Date Wise Losses and Damages

### Losses and Damages for the Month of September

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
03-Sep-24	Sindh	Kashmore	0	0	1	1	Roof Collapsed	0	0	2	2	Roof Collapsed
		Jamshoro	0	0	0	0		0	1	1	2	Roof Collapsed
		Mirpurkhas	0	0	0	0		1	1	0	2	Roof Collapsed
04-Sep-24	Balochistan	Khuzdar	0	0	2	2	Drowning	0	0	1	1	Drowning
		Kech	0	0	1	1	Drowning	0	0	0	0	-
		Zhub	0	0	2	2	Flash Flood	0	0	0	0	-
	KP	Haripur	1	0	0	1	Sky Lightning	0	0	0	0	-
		Tank	1	0	0	1	Wall Collapsed	0	0	0	0	-
	Punjab	DG Khan	1	0	3	4	Drowning	0	0	0	0	-
		Lahore	0	0	1	1	Electric Shock	0	0	0	0	-
		Nankana Sahib	0	0	0	0	-	3	0	0	3	Roof Collapsed
	Sindh	Umerkot	0	1	0	1	Drowning	0	0	0	0	
Larkana		2	0	0	2	House Collapsed Electric Shock	1	0	1	2	Wall Collapsed Electric Shock	
Tando Allahyar		1	1	0	2	House Collapsed Electric Shock	0	0	0	0	-	
05-Sep-24	Balochistan	Hub	0	1	0	1	Sky Lightning	0	0	0	0	-
		Barkan	0	0	0	0	-	0	1	0	1	Roof Collapsed
	KP	Mansehra	0	1	0	1	Wall Collapsed	0	0	1	1	Wall Collapsed



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## Date Wise Losses and Damages

### Losses and Damages for the Month of September

Date	Province / Region	District	Deaths				Cause of Incident	Injures				Cause of Incident
			M	F	C	T		M	F	C	T	
05-Sep-24	Punjab	Rajanpur	0	0	1	1	Drowning	0	0	0	0	-
		Multan	1	0	0	1	Drowning	4	0	0	4	Roof Collapsed
		Nankana Sahib	0	0	0	0	-	0	3	0	3	Roof Collapsed
06-Sep-24	Sindh	Jamshoro	0	0	2	2	Eclectic Shock	0	0	0	0	-
07-Sep-24	Balochistan	Lasbella	1	0	0	1	Drowning	0	0	0	0	-
		Khuzdar	1	0	0	1	Drowning	0	0	0	0	-
08-Sep-24	KP	Charsada	0	0	1	1	House Collapsed	3	0	0	3	House Collapsed
08-Sep-24	KP	North Waristan	0	0	1	1	Wall Collapsed	0	0	0	0	-
		Lakki Marwat	0	0	0	0	-	0	3	4	7	Roof Collapsed
	AJ&K	Bhimber	0	0	2	2	Drowning	0	0	0	0	-
09-Sep-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
10-Sep-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
11-Sep-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
12-Sep-24	KP	Malakand	1	1	0	2	Room Collapsed	0	0	0	0	-
13-Sep-24	All PDMA's	-	0	0	0	0	-	0	0	0	0	-
14-Sep-24	KP	Chardadda	1	1	3	5	Room Collapsed	0	0	0	0	-
		Upper Dir	1	0	0	1	Sky Lightning	0	0	0	0	-
15-Sep-24	KP	Mardan	5	0	0	5	Room Collapsed	0	0	0	0	-
<b>Total</b>			<b>28</b>	<b>8</b>	<b>28</b>	<b>64</b>	<b>0</b>	<b>21</b>	<b>16</b>	<b>16</b>	<b>53</b>	

A discrepancy of 56 fatalities and 137 injuries exists between the date-wise records and the summary report due to delayed reporting by the District Disaster Management Authority (DDMA). These figures have since been integrated into the overall report by the relevant Provincial Disaster Management Authorities (PDMA's) and are now reflected in NDMA's report.



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## Date Wise Rainfall Data

### Date Wise Rainfall Data for the Month of July 2024

Punjab																																	
Districts	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st	Total	
Islamabad	-	-	-	-	-	-	-	-	-	45	17	-	-	-	1	-	12	-	-	-	-	30	51	-	-	-	84	21	59	52	-	372	
Attock	-	-	1	2	10	-	-	-	-	8	1	3	-	-	-	-	1	-	-	-	-	-	8	-	-	-	-	3	32	13	-	78	
Bahawalnagar	-	-	-	-	-	67	-	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	9	-	151	
Bahawalpur	-	-	-	-	-	61	-	-	-	-	-	8	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	125	
Bhakkar	-	-	-	-	-	40	-	-	-	-	-	33	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	
Chakwal	-	-	-	33	4	-	-	-	-	8	-	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	11	-	60	
Dera Ghazi Khan	-	-	-	-	2	12	-	-	-	18	-	30	-	-	-	-	25	6	-	-	-	-	8	-	-	-	-	-	-	-	-	101	
Faisalabad	-	-	-	25	1	95	-	-	-	19	-	40	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	10	-	222		
Gujranwala	-	7	13	1	112	-	-	-	-	5	-	25	-	-	-	-	7	-	-	18	-	82	1	-	-	31	-	12	-	-	312		
Gujrat	-	-	35	-	-	-	-	12	-	7	-	11	-	-	-	-	3	3	-	-	-	83	-	-	-	18	52	-	-	-	204		
Hafizabad	-	-	-	8	14	-	-	-	-	8	-	25	-	-	-	-	15	25	-	-	-	35	-	-	-	-	3	-	4	-	137		
Jhang	-	-	-	5	-	83	-	1	-	-	-	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	123		
Jhelum	-	-	44	4	54	-	-	-	-	8	-	21	-	-	-	-	58	1	-	-	-	37	1	-	-	-	8	3	12	-	249		
Kaer	-	28	4	-	31	8	-	-	-	-	2	13	-	-	-	-	-	-	7	-	-	-	1	3	-	-	-	-	1	-	98		
Khanewal	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	4	22	-	-	-	1	-	-	-	-	-	1	4	-	35	
Khushab	-	-	-	48	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	5	-	-	-	-	18	-	92		
Kot Adu	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40		
Lahore	-	-	9	-	57	5	-	-	-	30	120	89	-	-	-	-	1	-	5	-	25	12	-	-	-	-	74	4	18	-	427		
Layyah	-	-	-	4	-	8	-	-	-	-	-	20	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	34		
Mandi Bahauddin	-	-	-	3	16	-	-	-	-	7	-	-	-	-	-	-	27	1	-	-	-	98	1	-	-	-	35	1	30	-	219		
Multan	-	-	-	-	-	40	-	-	-	2	-	8	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	-	2	-	60		
Murree	2	-	1	3	40	-	34	-	8	5	-	-	-	-	-	1	-	-	-	-	18	1	-	-	18	-	15	23	84	-	229		
Narowal	-	-	32	-	15	-	-	-	-	1	-	1	-	-	-	-	-	-	-	11	-	54	2	-	-	12	-	1	1	-	130		
Okara	-	-	-	12	14	3	-	-	-	-	-	15	-	-	-	-	1	7	-	-	-	10	-	-	-	-	-	-	48	-	108		
Rahim Yar Khan	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		
Rajanpur	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		
Rawalpindi	-	-	44	1	44	-	4	-	-	34	30	-	-	1	-	-	21	-	-	-	-	20	41	-	-	-	31	1	81	1	354		
Sahiwal	-	-	-	1	-	2	-	-	-	-	-	18	-	-	-	-	-	2	-	-	-	-	1	17	-	-	1	-	8	-	48		
Sargodha	-	-	-	38	1	35	-	-	-	-	-	58	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	44	-	178		
Sheikhupura	-	-	-	2	23	13	-	-	-	1	-	37	-	-	-	-	18	-	-	-	-	18	18	-	-	-	-	-	-	4	-	128	
Sialkot	-	-	43	1	43	-	-	20	-	8	-	27	-	-	-	-	15	32	-	20	-	114	1	-	-	20	47	90	-	-	479		
Toba Tek Singh	-	-	-	3	-	-	-	-	-	-	-	48	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	84	-	119	
Khyber Pakhtunkhwa																																	
Abbottabad	2	-	-	-	1	-	1	-	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	40	18	35	-	151
Bajaur	-	-	8	-	3	28	-	-	7	-	-	1	3	1	18	-	-	-	-	-	-	-	-	-	-	-	-	-	39	1	-	107	
Bannu	-	-	1	-	-	-	-	-	-	2	-	1	12	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	20	
Buner	5	7	-	-	-	-	1	-	1	5	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	3	-	3	2	-	31	
Charsadda	-	-	-	-	-	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
DI Khan	-	-	-	-	1	28	-	-	-	-	-	21	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	
Khyber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Kurram	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	83	-	-	-	-	-	-	-	-	-	-	-	-	-	82	
L-Chitral	-	-	-	-	-	-	-	1	-	-	-	-	-	3	1	-	-	5	8	-	-	-	-	-	-	-	-	-	-	-	-	24	
lower Dir	1	-	34	-	2	3	-	-	3	-	-	4	-	-	9	-	-	-	10	-	-	-	-	-	-	-	-	-	-	12	2	-	80
L-Kohistan	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	5	13	-	28
Mansehra	35	-	-	-	22	-	8	-	1	5	1	-	-	-	-	-	1	-	1	-	-	17	-	-	-	5	13	-	42	88	-	215	
Mardan	-	-	5	-	6	-	-	-	1	-	-	-	-	-	6	-	28	-	-	-	-	-	-	-	-	-	20	4	33	3	-	104	
Mohmand	-	-	-	-	-	18	-	-	-	-	-	-	-	-	3	-	1	1	-	-	-	-	-	-	-	-	-	-	31	32	-	86	
Nowshera	-	-	-	-	-	18	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	88	22	-	129	
Peshawar	-	-	-	-	-	15	-	-	-	1	-	-	-	-	2	-	28	-	-	-	-	-	-	-	-	-	-	-	14	3	-	63	
Swat	27	-	-	-	10	13	1	-	4	1	3	3	-	1	2	2	2	-	1	-	-	-	-	-	-	-	2	-	54	28	-	152	
U-Chitral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	13	14	-	30	





# POST MONSOON REPORT 2024



## Date Wise Rainfall Data

### Date Wise Rainfall Data for the Month of July 2024

Sindh																																
Districts	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22 <sup>nd</sup>	23rd	24th	25th	26th	27th	28th	29th	30th	31st	Total
Mirpur Khase	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	4	-	13	-	-	-	-	-	-	2	1	-	29
Nawabshah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4
Naushahro Feroze	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	1	-	15	
Qambar Shahdadkot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Sanghar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Shaheed Benazirabad	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	3	17	-	27	
Shikarpur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Sujawal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Sukkur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2
Tando Allahyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
TM Khan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Tharparkar	-	-	-	-	-	-	-	15	24	-	-	-	-	-	22	3	3	14	-	-	-	32	31	-	-	-	-	-	36	24	-	204
Thatta	-	-	-	-	-	-	-	1	9	-	-	-	-	-	-	-	-	15	-	-	-	3	-	-	-	-	-	-	1	1	-	30
Umerkot	-	-	-	-	-	-	-	4	1	-	-	-	-	-	20	-	8	-	-	-	-	6	-	-	-	-	-	58	5	-	102	
Azad Jammu & Kashmir																																
Bagh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	13	23	7	-	-	60
Bhimber	2	2	-	-	-	-	1	-	2	3	-	-	-	8	-	-	2	-	-	-	2	1	-	-	1	95	-	3	-	-	120	
Hattian Bala	-	1	-	-	8	-	18	-	-	2	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	10	17	11	-	73	
Haveli	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	7	15	-	24	
Kotli	-	-	8	-	34	-	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-	28	-	-	-	2	12	14	15	-	114	
Mirpur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
Muzaffarabad	3	-	8	-	9	-	9	-	1	4	-	-	8	8	-	-	1	-	-	-	24	3	-	-	4	3	21	21	79	-	208	
Neelum Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Poonch	13	-	5	-	12	-	22	1	-	9	1	-	1	8	-	-	10	10	-	-	15	1	-	-	2	117	41	3	3	-	272	
Gilgit Baltistan																																
Astore	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	6
Darel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Diamer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	8	-	8
Ghanche	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Ghizer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Gilgit	-	-	-	-	-	-	-	1	-	-	-	-	3	3	1	1	-	1	-	1	-	-	-	2	-	-	-	-	-	5	-	18
Gupis-Yasin	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	9
Hunza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Kharmang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Nagar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Roundu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Shigar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Skardu	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	5



# POST MONSOON REPORT 2024



## Date Wise Rainfall Data

### Date Wise Rainfall Data for the Month of August 2024

Punjab																																
Districts	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st	Total
Islamabad	28	20	-	80	2	-	19	119	-	104	115	20	-	-	-	64	30	1	1	28	50	1	-	7	-	-	17	-	10	53	769	
Attock	-	34	-	-	-	-	-	6	-	-	24	-	-	-	-	18	-	32	-	-	21	-	-	-	-	-	48	-	-	12	195	
Bahawalnagar	-	4	-	-	-	-	-	11	4	-	-	-	-	-	-	3	3	-	-	1	-	6	-	-	-	-	44	3	-	79		
Bahawalpur	-	12	-	12	-	5	-	-	1	-	-	-	88	-	-	-	28	-	4	-	-	-	-	2	-	-	-	-	-	1	151	
Bhakkar	-	-	8	-	31	-	-	-	1	-	-	-	-	-	-	64	-	21	-	-	4	1	-	-	-	-	-	35	7	-	170	
Chakwal	-	3	-	3	-	13	17	-	6	-	4	-	-	-	-	5	29	8	-	-	13	-	-	-	-	-	-	45	8	-	154	
Chiniot	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	
Dera Ghazi Khan	-	60	-	-	-	-	-	-	-	-	-	7	7	-	-	-	57	101	1	-	18	-	2	-	-	-	2	-	-	3	258	
Faisalabad	1	-	-	-	7	-	-	-	-	21	-	-	-	-	-	-	53	4	-	-	1	-	-	-	-	-	1	-	12	64	184	
Gujranwala	123	6	-	-	2	-	-	17	-	-	35	-	-	-	19	1	50	1	-	-	21	-	-	1	-	-	25	-	8	30	337	
Gujrat	17	2	-	4	79	8	18	4	-	-	36	-	-	-	3	-	3	-	-	-	32	3	-	2	-	-	2	-	5	35	251	
Hafizabad	23	25	-	-	-	-	1	-	-	-	3	-	-	-	-	-	65	1	-	-	33	14	-	-	-	-	-	-	-	78	243	
Jhang	-	-	-	-	1	1	-	-	-	1	-	81	-	-	-	-	53	92	-	-	-	5	-	-	-	-	-	-	-	4	238	
Jhelum	29	1	-	6	4	-	7	-	-	-	11	10	-	-	30	13	21	5	-	42	31	1	-	-	-	-	46	-	-	147	404	
Kasur	62	35	2	-	-	-	-	-	-	-	-	13	-	-	3	-	6	-	1	1	1	2	-	-	-	-	1	-	8	22	157	
Khanewal	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	39	67	35	-	-	-	1	-	-	-	-	2	48	-	-	194	
Khushab	-	-	-	-	26	12	-	-	-	-	-	18	-	-	-	7	32	22	-	-	27	1	-	8	-	-	-	-	18	-	171	
Kot Adu	-	-	12	-	41	-	-	-	-	-	-	-	-	-	-	-	28	86	-	-	-	-	-	-	-	-	-	42	36	-	243	
Lahore	337	23	-	-	-	-	-	20	-	25	77	7	-	-	5	-	20	4	62	55	24	-	-	3	2	-	35	-	12	32	743	
Layyah	-	-	5	1	-	-	-	-	-	-	-	7	-	-	-	33	35	21	-	-	48	-	-	-	-	-	-	35	-	-	183	
Lodhran	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
Mandi Bahauddin	-	-	-	30	-	-	-	5	-	-	27	-	-	-	-	1	23	18	-	-	48	-	-	-	-	-	9	-	1	98	258	
Multan	-	22	-	-	2	-	-	-	9	-	-	-	28	-	-	-	58	-	-	-	-	8	-	-	-	-	-	109	8	16	254	
Murree	-	85	-	-	35	18	13	2	-	4	11	-	-	-	1	6	5	1	-	15	5	-	-	-	-	1	-	-	5	19	226	
Narowal	69	21	-	-	101	-	-	2	19	-	83	-	-	-	1	21	17	49	1	20	3	1	-	-	-	-	1	-	-	24	433	
Nankana Sahib	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
Okara	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-	13	-	-	-	-	3	1	1	2	-	-	-	-	61	1	68	
Rahim Yar Khan	-	-	-	92	10	18	11	-	-	-	-	-	-	-	-	-	80	24	2	-	-	-	-	-	-	-	-	48	-	34	319	
Rajapur	-	26	32	59	5	-	-	-	-	-	-	-	-	-	1	-	67	69	19	-	-	-	-	-	-	-	-	-	-	-	278	
Rawalpindi	18	-	-	-	-	-	79	-	93	85	2	-	-	-	2	40	1	-	-	35	7	1	-	-	-	-	25	-	2	48	438	
Sahiwal	-	-	-	-	-	-	-	24	11	-	-	-	-	-	-	39	3	-	-	-	38	2	-	-	-	-	1	-	34	3	155	
Sargodha	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	13	54	7	-	1	-	-	4	-	-	-	-	-	58	31	180	
Sheikhupura	1	16	1	-	65	-	-	-	-	-	15	-	-	-	-	28	1	10	1	2	-	-	-	-	-	-	-	-	9	20	169	
Slakot	12	-	-	9	47	-	21	5	-	-	35	-	-	-	19	-	42	-	-	7	7	13	-	2	-	2	39	-	7	48	315	
Toba Tek Singh	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	4	78	5	-	-	-	1	-	-	-	-	-	-	23	39	203	
Khyber Pakhtunkhwa																																
Bannu	-	-	1	-	-	-	-	-	-	2	-	1	12	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	20
Buner	5	7	-	-	-	-	1	-	1	5	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	3	-	3	2	31	
Charsadda	-	-	-	-	-	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
DI Khan	-	-	-	-	1	26	-	-	-	-	-	21	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	54	
Khyber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Kurram	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	82	
L-Chitral	-	-	-	-	-	-	1	-	-	-	-	-	3	1	-	-	5	8	-	-	-	-	-	-	-	-	-	-	-	-	24	
lower Dir	1	-	34	-	2	3	-	-	3	-	-	4	-	-	9	-	-	-	-	10	-	-	-	-	-	-	-	-	12	2	80	
L-Kohistan	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	5	13	26	
Mansehra	35	-	-	-	22	-	6	-	1	5	1	-	-	-	-	1	-	1	-	-	17	-	-	-	-	5	13	-	42	66	215	
Mardan	-	-	5	-	6	-	-	-	1	-	-	-	-	-	6	-	26	-	-	-	-	-	-	-	-	-	20	4	33	3	104	
Mohmand	-	-	-	-	18	-	-	-	-	-	-	-	-	-	3	-	1	1	-	-	-	-	-	-	-	-	-	-	31	32	86	
Nowshera	-	-	-	-	18	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	88	22	129	
Peshawar	-	-	-	-	15	-	-	-	1	-	-	-	-	-	2	-	28	-	-	-	-	-	-	-	-	-	-	-	14	3	63	
Swat	27	-	-	-	10	13	1	-	4	1	3	3	-	1	2	2	2	-	1	-	-	-	-	-	-	-	2	-	54	26	152	



# POST MONSOON REPORT 2024



## Date Wise Rainfall Data

### Date Wise Rainfall Data for the Month of August 2024

Khyber Pakhtunkhwa																																	
Districts	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st	Total	
U- Chitral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	10	12		
-	-	51	-	9	3	-	-	1	-	-	-	-	-	-	-	3	-	1	-	2	8	-	-	-	-	2	-	-	-	33	113		
Balochistan																																	
Barkhan	-	5	4	-	5	-	-	16	35	5	5	4	2	-	3	1	2	3	11	-	2	-	2	-	-	-	38	-	-	-	-	143	
Chagai	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5		
Gwadar	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	11		
Kalat	40	-	3	45	1	-	6	-	11	-	-	-	6	-	-	-	1	48	-	1	-	-	-	-	-	-	-	-	-	2	164		
Khuzdar	-	2	-	-	7	-	3	11	18	-	-	-	-	-	-	6	-	10	5	-	3	18	-	-	-	-	-	-	-	17	100		
Laebela	-	-	2	5	25	4	1	-	-	2	-	-	-	-	-	-	-	2	8	3	-	-	-	-	-	12	-	-	-	5	69		
Loralai	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	16	-	2	2	-	-	-	-	-	-	-	-	1	-	1	34		
Panjgur	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	5	4	-	-	-	-	-	-	-	-	-	-	11		
Pishin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	4	
Killa Abdullah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	9	-	-	-	-	-	-	-	-	-	1	1	-	26	
Killa Saifullah	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29		
Quetta	-	-	-	3	-	-	21	-	1	-	-	-	-	-	-	-	-	10	3	-	-	-	-	-	-	-	-	-	4	-	1	43	
Sibi	-	1	-	-	41	-	-	-	-	-	-	-	-	-	-	13	-	21	1	-	-	-	-	-	-	-	-	-	2	-	28	105	
Zhob	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	9	-	-	-	-	9	-	-	-	-	-	-	-	34		
Ziarat	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5		
Sindh																																	
Badin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	1	52	48	112	24	241
Dadu	-	-	-	31	60	-	-	-	-	-	-	-	-	-	-	-	-	75	12	-	-	-	-	-	-	-	-	-	-	2	8	188	
Hyderabad	-	-	5	31	37	3	1	-	-	-	-	-	-	-	-	-	6	1	-	-	-	-	-	-	5	-	13	28	83	52	245		
Jacobabad	-	-	-	89	5	-	-	-	-	-	-	-	-	-	-	12	-	99	52	-	-	-	-	-	-	-	-	-	-	-	20	277	
Karachi Central	8	14	11	4	77	2	4	1	1	-	-	1	1	1	-	2	-	-	18	-	2	-	-	-	-	-	-	30	18	30	128	350	
Karachi East	-	7	9	-	40	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58		
Karachi South	-	-	19	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	31		
Karachi West	-	-	20	-	42	-	-	-	-	-	-	3	-	-	-	-	-	-	28	-	3	-	-	-	-	-	-	-	5	13	19	131	
Keamari	-	8	41	1	7	-	2	-	-	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	18	15	21	42	157	
Khairpur	-	-	18	82	8	7	-	-	-	-	-	-	-	-	-	-	13	189	8	2	-	-	-	-	-	-	-	-	2	3	-	286	
Korangi	-	-	18	-	4	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	15	18	-	36	97	
Larkana	-	-	1	35	4	-	-	-	-	-	-	-	-	-	-	10	-	123	4	-	-	1	1	-	-	-	-	-	1	3	3	186	
Mallr	-	15	19	-	54	-	2	-	-	-	2	-	-	-	-	2	-	-	9	-	3	-	-	-	-	-	-	48	82	18	48	276	
Mirpur Khas	-	-	-	47	62	-	-	-	-	-	-	-	-	-	-	-	-	35	1	-	-	-	-	-	-	12	-	21	24	143	3	348	
Nawabshah	-	-	4	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121		
N-Feroze	-	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	31	4	-	-	-	-	-	-	-	-	-	-	1	3	5	120
Q Shahdad kot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	15	
Sanghar	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	61		
SBA	-	-	-	112	25	-	-	-	-	-	-	-	-	-	-	-	1	5	12	2	-	-	-	-	-	1	-	15	23	15	10	221	
Sujawal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119	-	-	-	-	-	-	-	-	-	-	-	-	-	119	
Sukkur	-	-	44	61	2	1	1	-	-	-	-	-	-	-	-	-	7	-	18	2	-	-	-	-	-	-	-	-	-	-	1	135	
Tharparkar	3	-	-	21	11	-	-	24	-	-	-	-	1	-	-	-	17	8	4	-	-	-	-	-	-	29	47	42	71	74	22	372	
Thatta	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	28	43	25	83	166
Umerkot	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	58	24	-	-	-	-	-	-	-	-	3	-	15	23	81	2	221
Azad Jammu & Kashmir																																	
Bagh	-	-	-	-	-	-	-	28	-	-	12	-	-	-	-	4	-	-	-	-	11	9	-	-	-	-	-	-	12	-	-	-	76
Bhimber	1	-	-	49	1	8	7	38	-	-	10	-	-	-	19	-	14	12	1	20	17	-	-	-	-	-	-	-	11	-	5	209	
Hattian Bala	-	-	-	-	-	-	2	4	-	-	-	-	-	-	-	1	11	-	-	4	1	-	-	-	-	-	-	1	10	12	25	71	
Kotli	-	4	-	2	-	19	38	40	-	-	22	-	-	-	42	-	41	-	-	-	3	8	1	1	1	1	1	10	8	2	34	277	
Muzaffarabad	-	2	5	9	8	4	11	6	8	4	11	1	-	-	-	49	42	5	-	13	8	9	-	4	4	1	17	40	75	80	412		
Poonch	-	26	3	10	-	-	32	-	-	-	14	-	-	-	1	4	21	-	-	28	9	-	-	-	-	-	-	-	4	5	33	190	



# POST MONSOON REPORT 2024



## Date Wise Rainfall Data

### Date Wise Rainfall Data for the Month of August 2024

#### Gilgit Baltistan

Districts	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22 <sup>nd</sup>	23rd	24th	25th	26th	27th	28th	29th	30th	31st	Total
Astore	-	-	-	1	-	-	3	-	-	9	-	-	-	-	20	-	-	-	2	1	-	1	-	-	-	-	2	28	28	-	-	95
Diamer	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	13	5	-	-	23
Gilgit	-	-	1	-	-	-	-	-	-	6	-	-	-	-	12	-	-	6	1	2	1	1	-	-	1	1	2	22	3	-	-	59
Gupis-Yasin	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	6	-	-	-	1	2	-	-	-	-	14
Hunza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	30	-	-	45
Skardu	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	1	-	1	-	-	-	-	-	-	1	2	16	-	-	25





# POST MONSOON REPORT 2024



## List of Advisories Issued During Monsoon 2024

Sr. #	Description	Advisory date	Duration
1	Weather Advisory	25th June, 2024	26th June to 1st July, 2024
2	Weather Advisory	1st July, 2024	2nd to 7th, July, 2024
3	Weather Advisory	8th July, 2024	10th to 16th July, 2024
4	Weather & Hill Torrents Advisory	12th July, 2024	12th to 13th July, 2024
5	Weather Advisory	15th July, 2024	16th to 21st July, 2024
6	Weather & GLOF Advisory	17th July, 2024	17th to 21st July, 2024
7	Weather Advisory	20th July, 2024	21st to 27th July, 2024
8	Weather & Hill Torrents Advisory	23rd July, 2024	23rd to 24th July, 2024
9	Weather Advisory	26th July, 2024	27th to 31st July, 2024
10	Weather Advisory	9th August, 2024	9th to 12th August, 2024
11	Weather & GLOF Advisory	9th August, 2024	9th to 12th August, 2024
12	Weather Advisory	12th August, 2024	14th to 16th August, 2024
13	Torrents Advisory	12th August, 2024	14th to 16th August, 2024
14	Weather & Flood Advisory	15th August, 2024	15th to 16th August, 2024
15	Weather Advisory	15th August, 2024	16th to 20th August, 2024
16	Weather & Hill Torrents Advisory	17th August, 2024	17th to 19th August, 2024
17	Weather Advisory	23rd August, 2024	25th to 30th August, 2024
18	Weather Advisory	27th August, 2024	27th to 31st August, 2024
19	Cyclonic Storm Advisory	29th August, 2024	29th August, 2024
20	Cyclonic Storm Advisory	30th August, 2024	30th August to 1st September, 2024
21	Weather Advisory	1st September, 2024	2nd to 4th September, 2024
22	Flash Flood Advisory	2nd September, 2024	2nd to 3rd September, 2024
23	Weather Advisory	23rd September, 2024	26th September to 1st October 2024