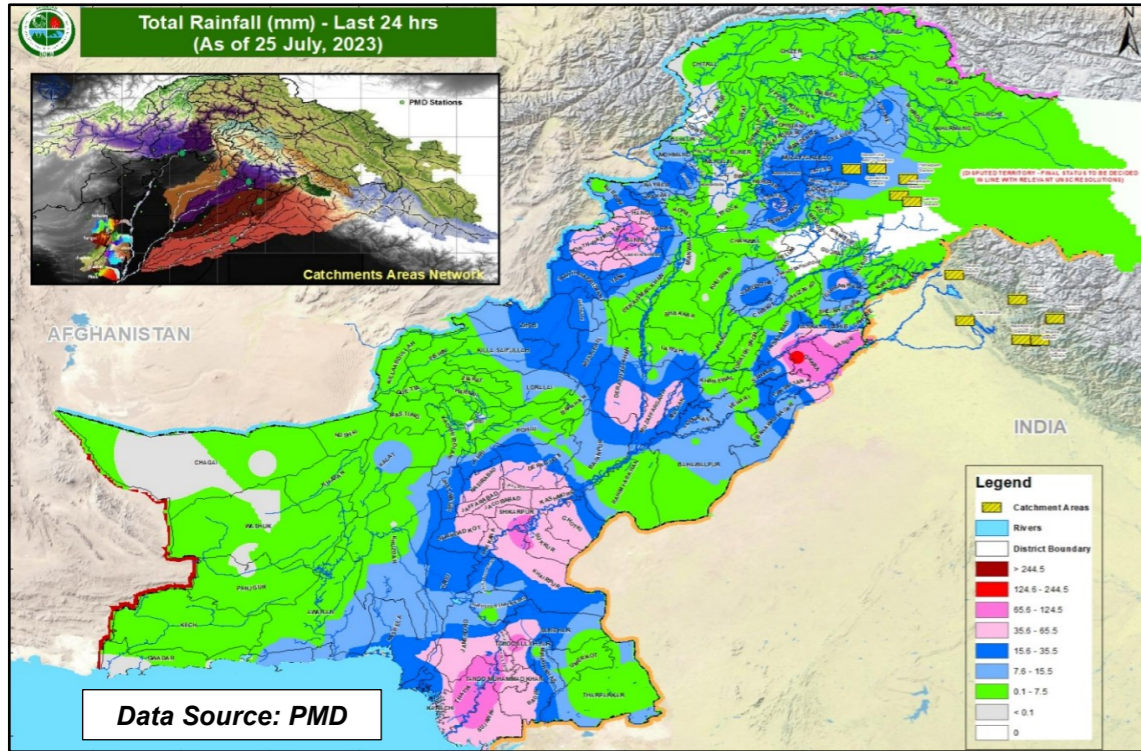
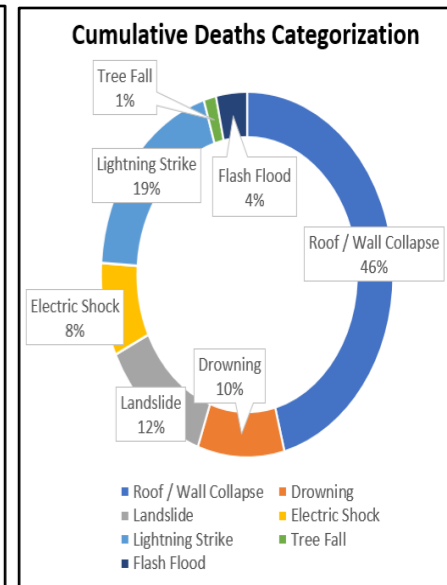
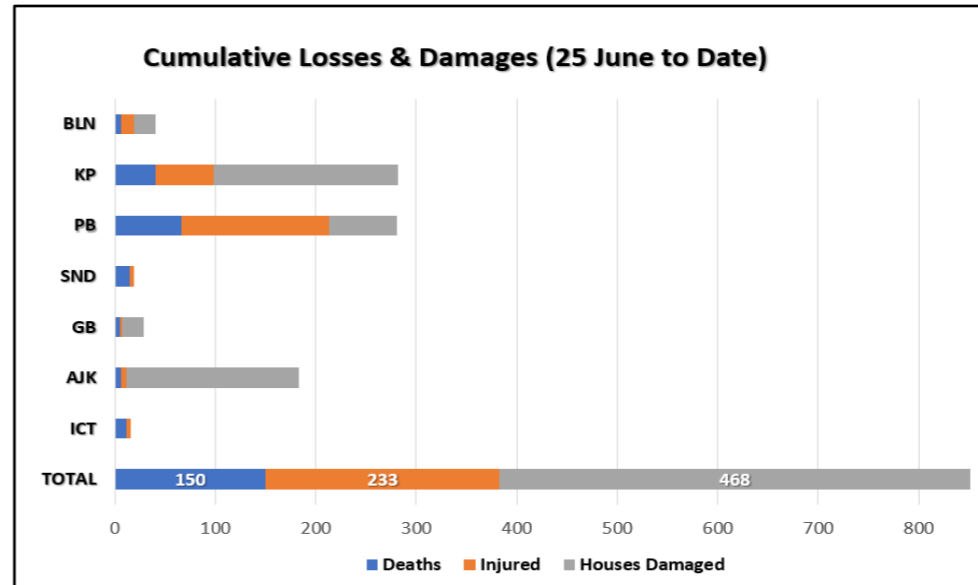
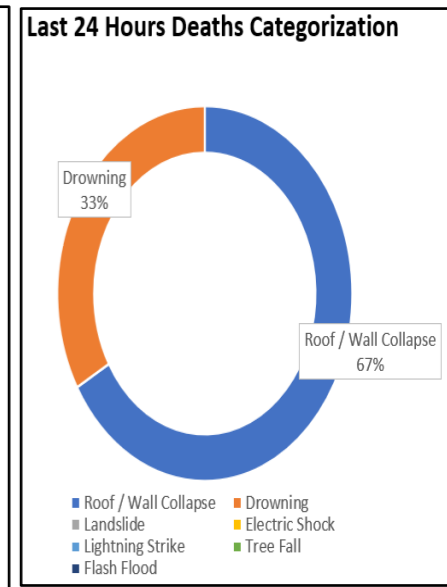
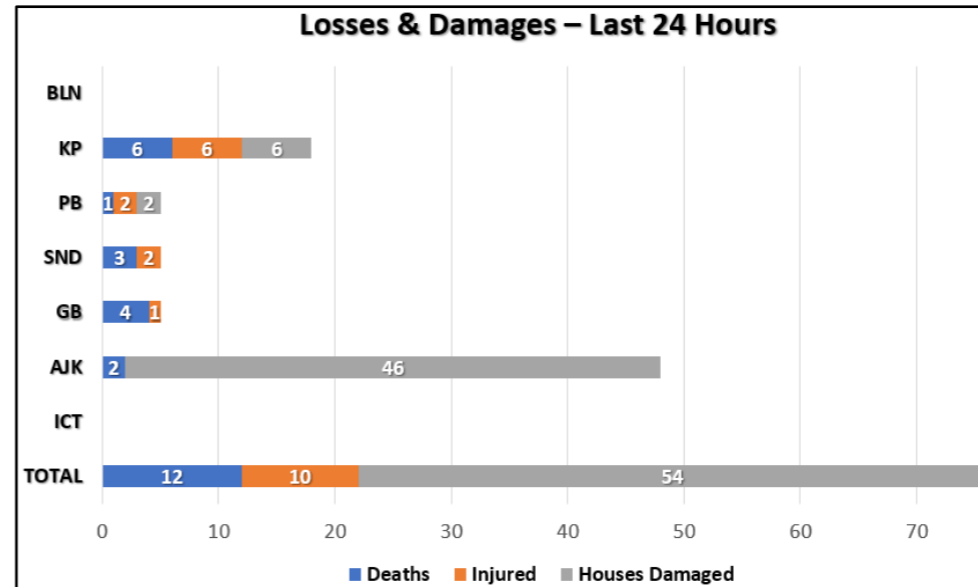


NDMA – MONSOON SEASON 2023 – MULTIPLE MODEL PROJECTION (25 JULY – 2030 hrs)

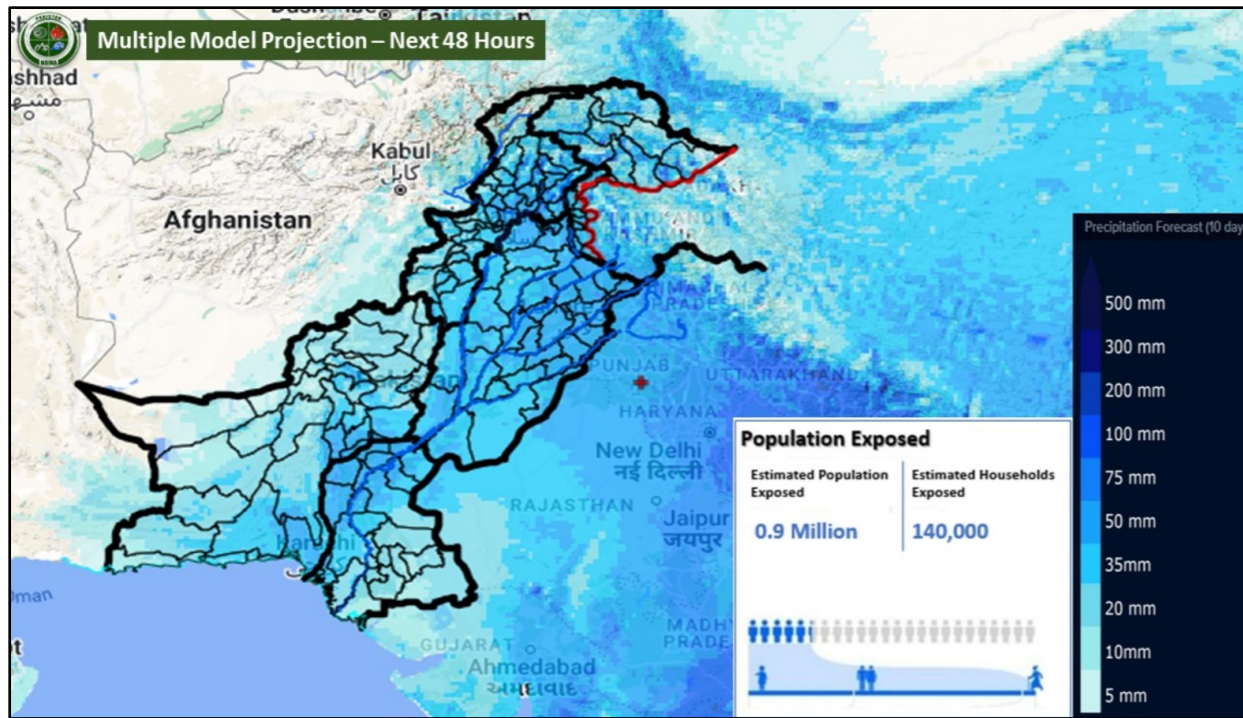


TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- **Balochistan.** Zhob 24, Chaman 13, Ormara 10, Kalat 9, Lasbela 8, Loralai 8, Muslim Bagh 6, Pishin 4, Turbat 2, Quetta 1
- **KP.** Bannu 78, Peshawar 30, Kakul 15, Ghalanai 7
- **Punjab.** Okara 143, Kasur 106, Rawalpindi 70, DG Khan 60, Multan 57, Gujranwala 42, Bahawalpur 19, Murree 16, Sahiwal 10, Sargodha 10
- **Sindh.** Karachi 100, Sukkur 90, Thatta 90, Hyderabad 87, Tando Jam 82, Khairpur 63, Rohri 53, Larkana 51, Diplo 45, Jacobabad 40, Badin 39, Nagarparkar 38, Mohenjo-Daro 31, Padidan 19, Dadu 18
- **GB.** Astore 18, Bagrote 4, Skardu 3, Chilas 2, Gilgit 1
- **AJK.** Garhidupatta 36, Muzaffarabad 30, Chatar Kalas 21, Rawalakot 13
- **ICT.** Bokra 25, Zero-point 7, Airport 5, Golra 4, Saidpur 2



Note: Losses / Damages figures are provided by PDMAs / GBDMA / SDMA / Govt Depts and are preliminary.



FFD Discharge Report

Recorded at: 25-Jul-2023 18:00 PST

River	Site	Inflow	Outflow	Level
Indus	Tarbela	310,000	283,600	LOW
	Kalabagh	351,433	343,633	LOW
	Chashma	419,651	415,651	MEDIUM
	Taunsa	380,813	380,813	MEDIUM
	Guddu	274,616	269,576	LOW
Kabul	Sukkur	191,000	186,800	NORMAL
	Kotri	67,728	43,923	NORMAL
	Nowshera	73,000	73,000	LOW
Jhelum	Mangla	63,000	10,000	NORMAL
	Rasul	2,550	0	NORMAL
Chenab	Marala	99,724	83,810	NORMAL
	Khanki	79,639	72,618	NORMAL
	Q.Abad	76,821	66,821	NORMAL
	Trimmu	120,294	111,894	NORMAL
	Panjnad	71,723	62,423	NORMAL
Ravi	Jassar	36,220	36,220	NORMAL
	Shahdara	34,308	34,308	NORMAL
	Balloki	63,430	38,930	NORMAL
	Sidhnai	30,850	19,900	NORMAL
Sutlej	GS Wala	73,300	73,300	LOW
	Sulemanki	81,078	74,154	LOW
	Islam	28,794	27,444	NORMAL
DAM	Current Level	Max Level	Dead Level	
Tarbela Dam	1530.69 (+0.24)	1550	1402	
Mangla Dam	1219.65 (+0.45)	1242	1050	

FORECASTED IMPACT NEXT 48-72 HOURS

- **Flash Flooding of Moderate to Heavy intensity** is expected in the **Nullahs of Balochistan** (Loralai, Kalat, Sibbi, Makran, Naseerabad Divisions) and **Hill Torrents of D.G Khan Division** during next 24-hours. **Flash Flooding** is also expected in the **Tributaries of River Kabul**.
- **Rain-Wind-Thundershowers with few heavy falls**
 - **Balochistan** (Kalat, Khuzdar, Lasbela, Awaran, Kech, Gwadar, Panjgur, Kharan, Nushki, Washuk, Mastung, Sibbi, Naseerabad, Zhob, Sherani, Barkhan, Musakhel, Kohlu, Jhal Magsi, Loralai, Ziarat, Quetta, Chaman, Pishin, Qila, Abdullah and Qila Saifullah).
 - **Punjab** (DG Khan, Rajanpur, Multan, Khanewal, Bhakkar, Layyah, Kot Addu, Bahawalpur and RY Khan).
 - **Sindh** (Tharparkar, Umerkot, Mirpurkhas, Sukkur, Larkana, Jacobabad, Dadu, Shaheed Benazirabad, Hyderabad, Sanghar, Badin, Thatta and Karachi).
- **Rain-Wind-Thundershowers with isolated heavy falls**
 - **Khyber Pakhtunkhwa** (Galliyat, Chitral, Dir, Swat, Shangla, Buner, Mansehra, Kohistan, Abbottabad, Haripur, Peshawar, Mardan, Swabi, Nowshera, Kurram, Lakki Marwat, Kohat, Dera Ismail Khan, Bannu, Karak and Waziristan).
 - **Punjab** (Murree, Rawalpindi, Attock, Chakwal, Jhelum, Mandi Bahauddin, Sialkot, Narowal, Lahore, Sheikhpura, Hafizabad, Gujranwala, Gujrat, Kasur, Mianwali, Sargodha, Khusab, Faisalabad, Toba Tek Singh, Jhang, Sahiwal, Bahawalnagar and Okara).
 - **Gilgit Baltistan** (Diامر, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar).
 - **State of AJ&K** (Neelum, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber and Mirpur).
 - **Islamabad Capital Territory**
- **Urban flooding** in municipal areas (*as indicated above*). **Flash flooding and landsliding** in hilly / mountainous regions of **Balochistan, KP, Punjab, GB & AJK** (*as indicated above*). **Hill Torrents** of **DG Khan, Rajanpur, Barkhan and Dera Bugti** to remain active with **Moderate intensity**.
- Flows in rivers and streams of Gilgit Baltistan likely to increase and high probability / risk of **GLOF incident** in vulnerable mountain valleys.

GUIDANCE ISSUED

- **City / District Administrations** are to **ensure contingency traffic plans** for areas vulnerable to flooding in urban centres, (*as indicated above*) catering for **prompt de-watering operations in flooded areas**.
- **PDMA**s to undertake **regular public awareness on all media channels / social media** to maximise general public's knowledge on risks associated with monsoon season; heavy rains, urban flooding, flash flooding, landslides, etc.
- **PDMA**s to ensure **early warning & prompt response** in **vulnerable areas** in light of wind-thundershowers and possibility of heavy falls (*in areas indicated above*), increased river flows and flash flooding.
- **PDMA Balochistan & Punjab** to ensure **early warning, prompt evacuation and response** in **vulnerable low-lying areas** adjacent to nullahs / hill torrents (*in areas indicted above*).
- **GBDMA** to ensure all necessary measures are undertaken to mitigate / prepare against **GLOF** incidents.
- **NHA / FWO / Local C&W Depts** to **ensure pre-placement of machinery** and **timely restoration of damaged road linkages**.
- **Rescue Services, Armed Forces** and leading **NGOs / CSOs** to **ensure availability of personnel / equipment** in the indicated areas & **be on stand-by for rapid response**.