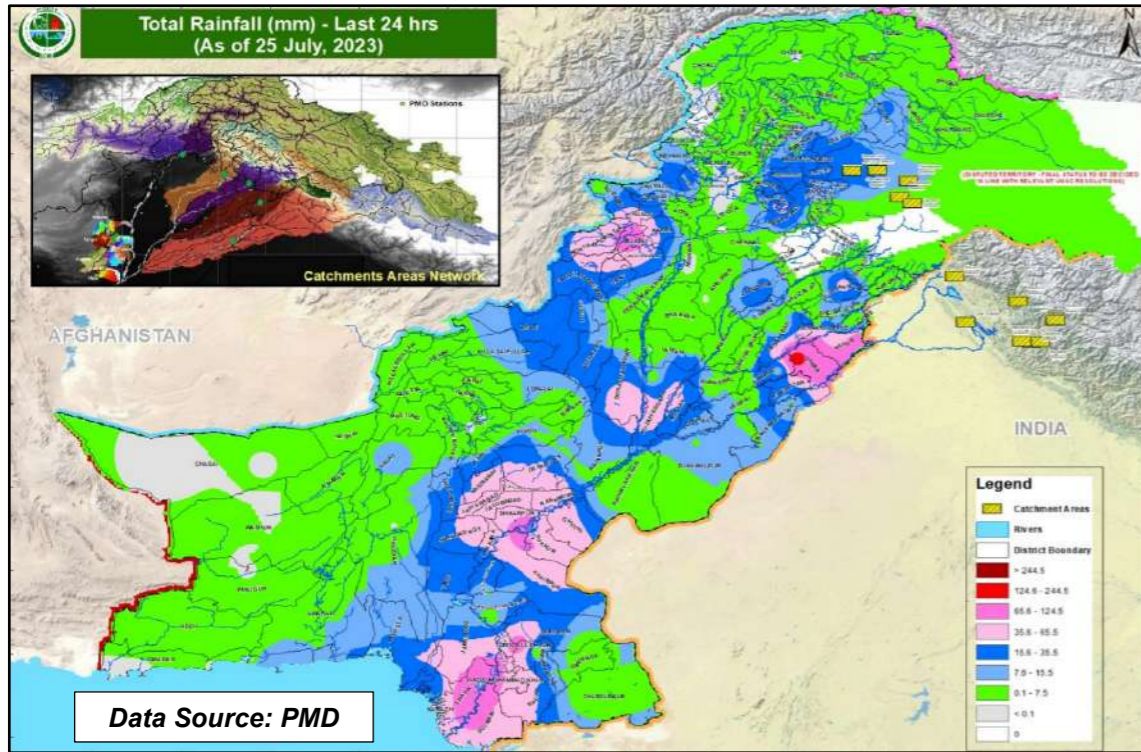
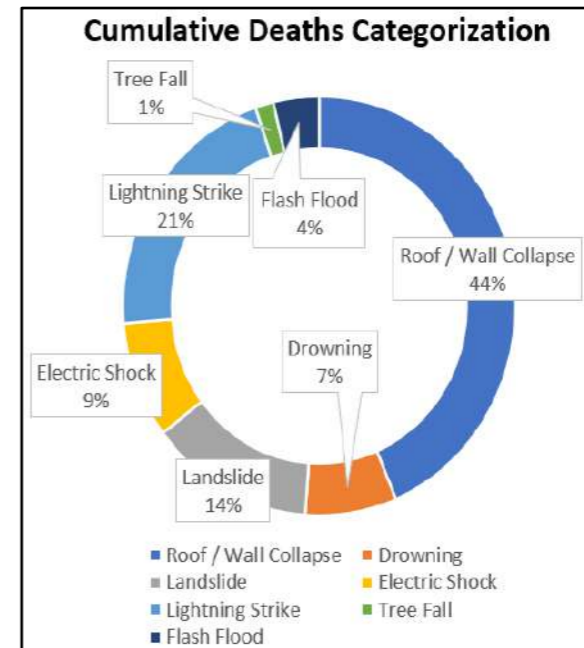
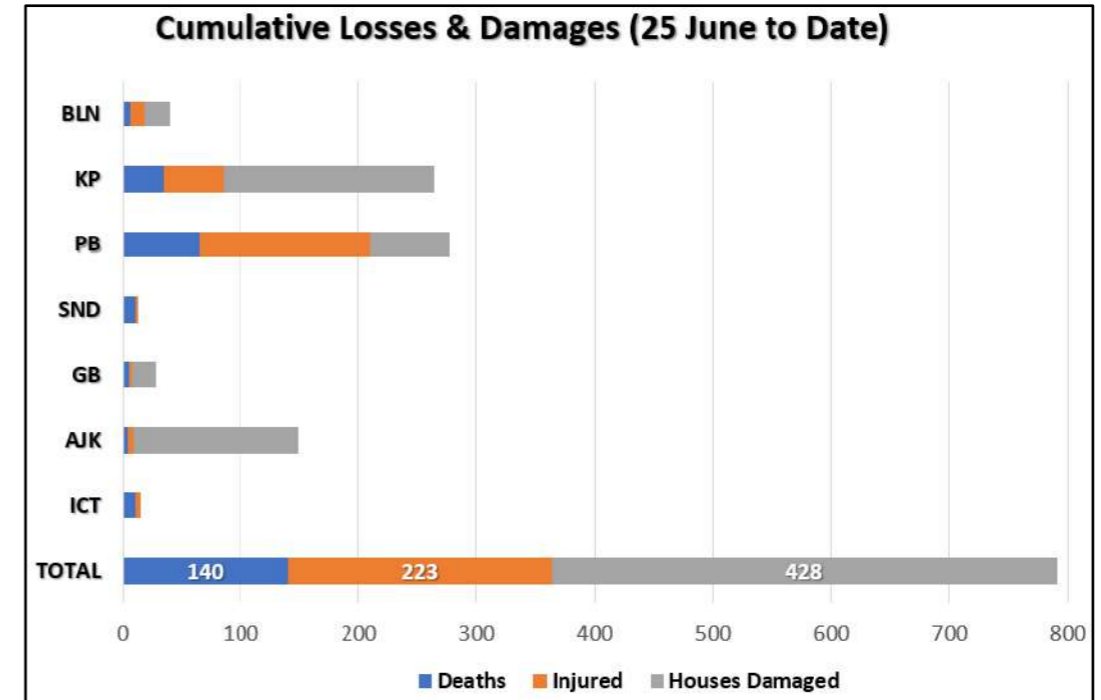


## NDMA – MONSOON SEASON 2023 – MULTIPLE MODEL PROJECTION (25 JULY – 1200 hrs)

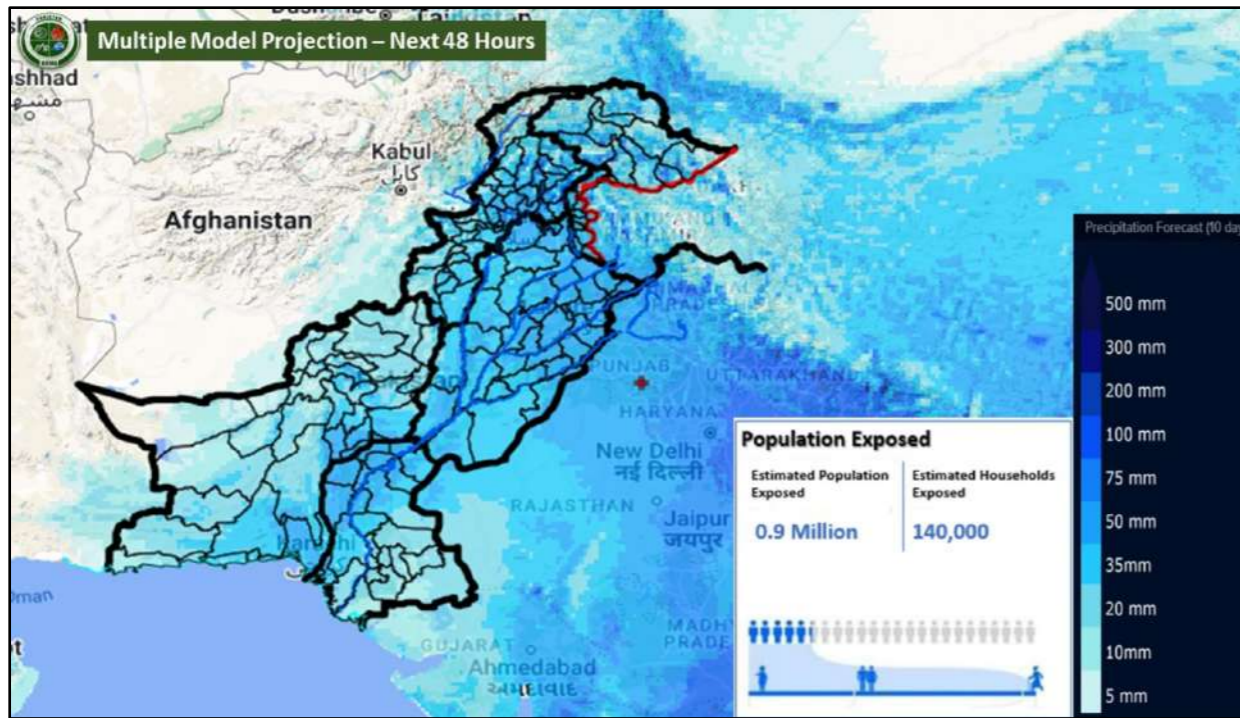


### TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- **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 06:00 PST

River	Site	Inflow	Outflow	Level
Indus	Tarbela	319,000	282,600	LOW
	Kalabagh	367,888	360,088	LOW
	Chashma	404,571	400,571	MEDIUM
	Taunsa	395,152	395,152	MEDIUM
	Guddu	237,317	228,795	LOW
	Sukkur	185,270	181,070	NORMAL
Kabul	Kotri	63,762	39,957	NORMAL
	Nowshera	70,500	70,500	LOW
Jhelum	Mangla	71,000	10,000	NORMAL
	Rasul	7,891	5,341	NORMAL
Chenab	Marala	93,780	78,760	NORMAL
	Khanki	87,803	80,803	NORMAL
	Q.Abad	82,725	72,725	NORMAL
	Trimmu	113,831	105,131	NORMAL
	Panjnad	63,846	54,746	NORMAL
Ravi	Jassar	37,800	37,800	NORMAL
	Shahdara	36,477	36,477	NORMAL
	Balloki	66,325	41,425	LOW
	Sidhnai	32,402	21,552	NORMAL
	GS Wala	69,220	69,220	LOW
Sutlej	Sulemanki	71,604	62,639	LOW
	Islam	28,094	27,444	NORMAL

DAM	Current Level	Max Level	Dead Level
Tarbela Dam	1530.00 (+0.28)	1550	1402
Mangla Dam	1218.70 (+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 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 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 indicated 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.