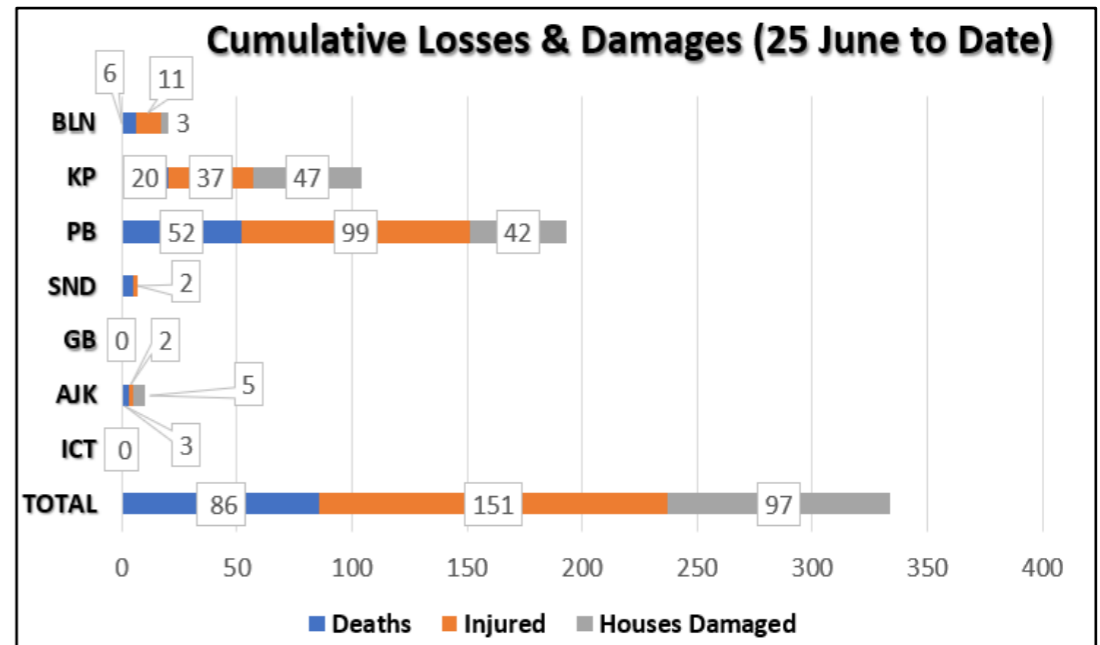
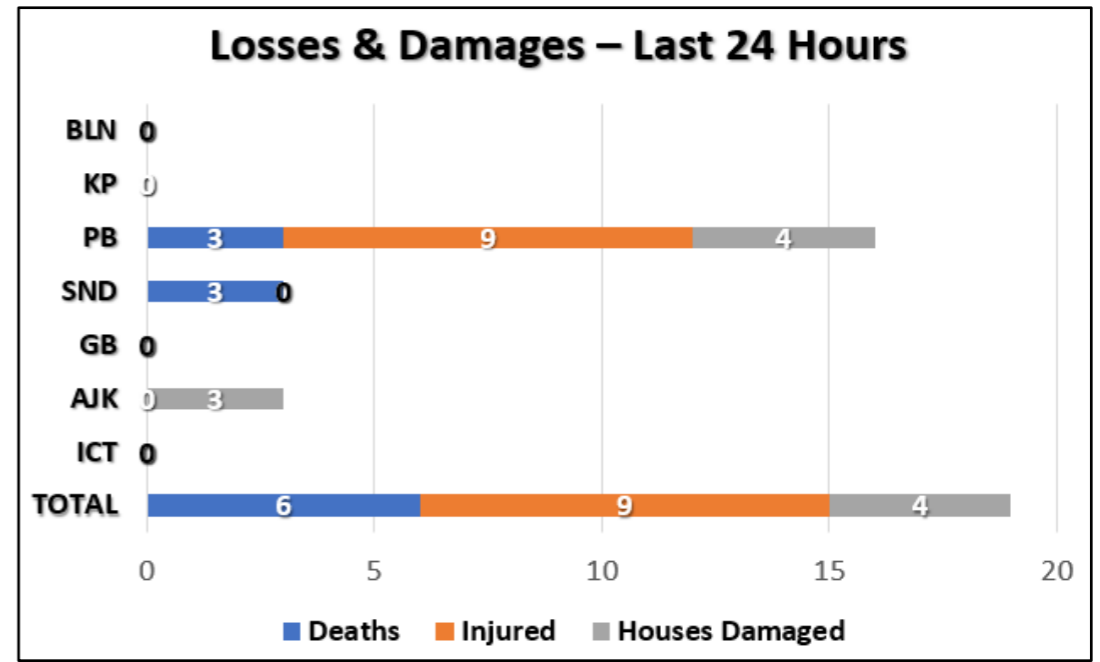
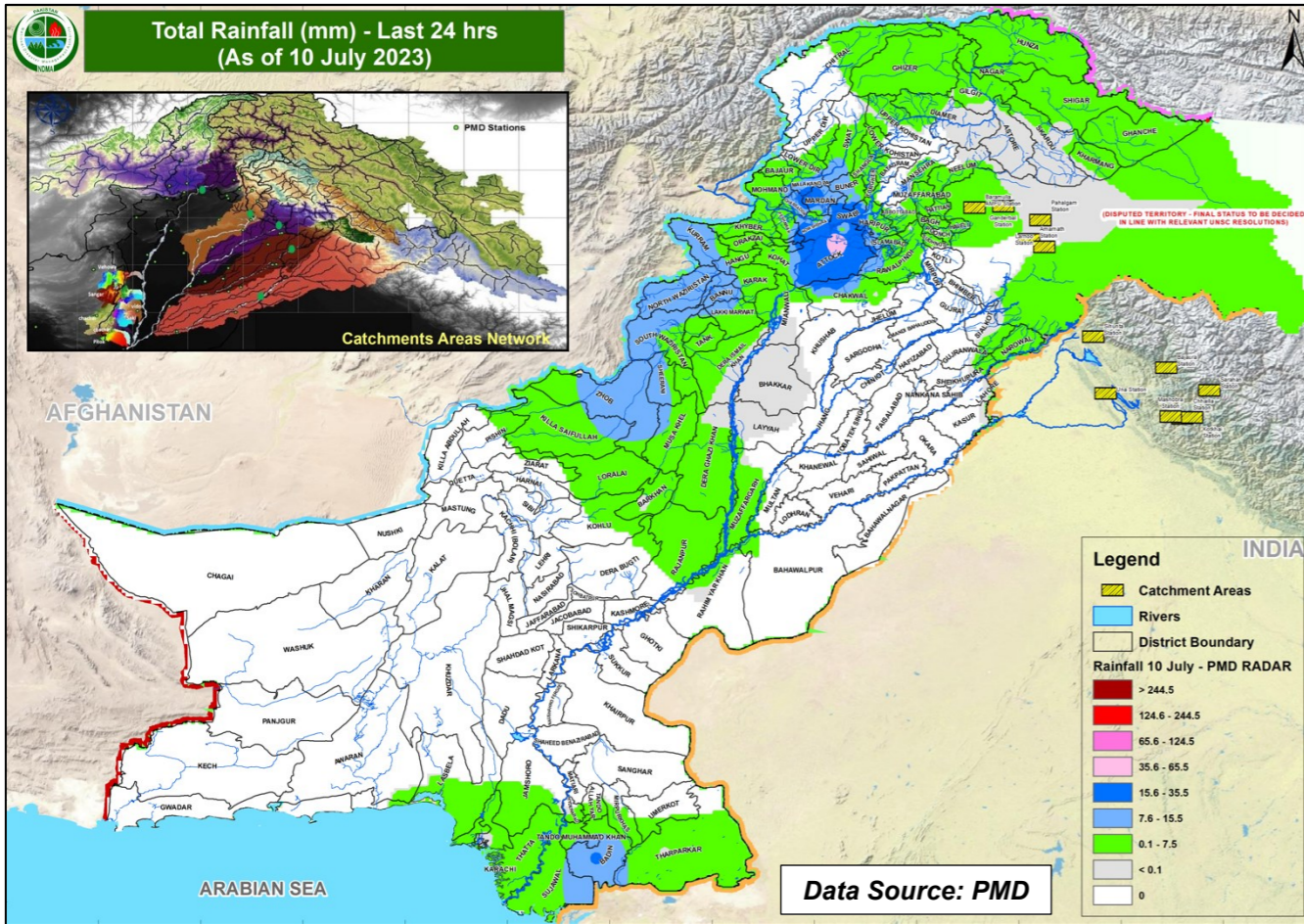
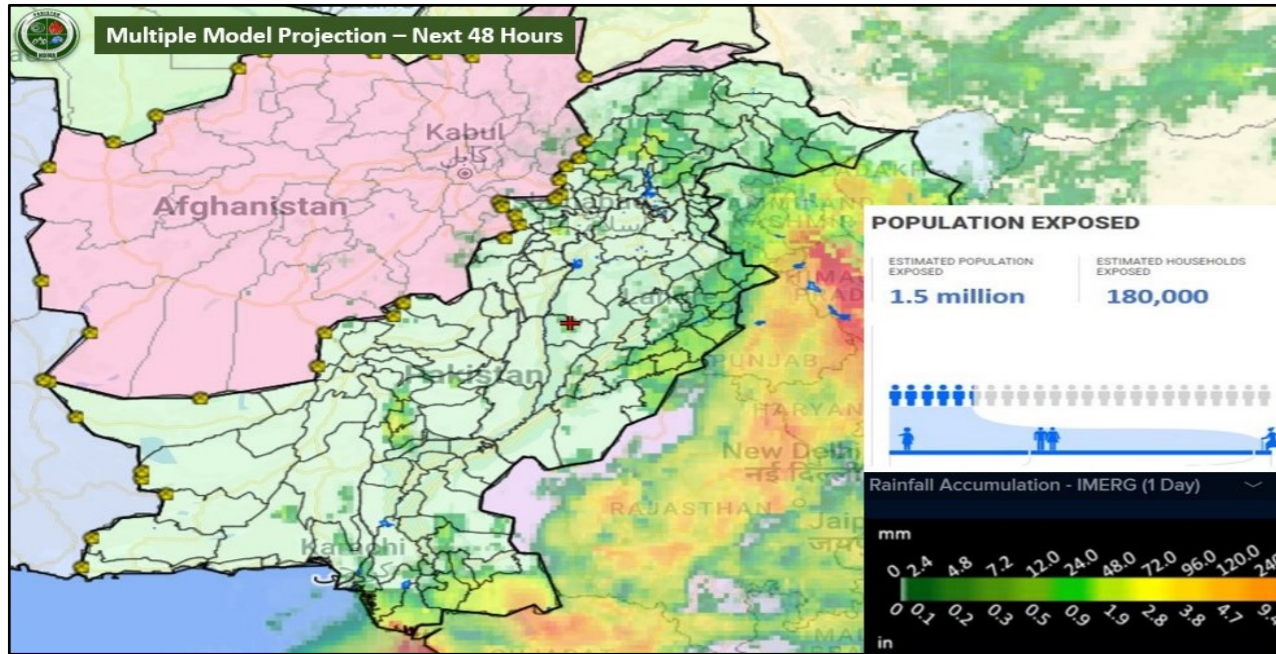


# NDMA – MONSOON RAINS – MULTIPLE MODEL PROJECTION (10 JULY 2023 – 2030 hrs)



## TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- **ICT.** Airport 18, Bokra 13, Golra 8, Zero-point 5, Saidpur 1.
- **Balochistan.** Nil.
- **KP.** Cherat 35, Mardan 26, Saidu Sharif 13, Bannu 11, Parachinar 10, Ghanlanai 3.
- **Punjab.** Attock 60, DG Khan 6, Rawalpindi 2, Narowal 1.
- **Sindh.** Badin 16, Thatta 3 Karachi 4.
- **GB.** Hunza 6, Gupis 1, Gilgit 1.
- **AJK.** Chattar Kalas 6, Garhidupatta 5, Haraman 4, Dhulli 1.



FFD Discharge Report					
Recorded at: 10-Jul-2023 18:00 PST					
River	Site	Inflow	Outflow		
Indus	Tarbela	152,000	↗	158,300	NORMAL
	Kalabagh	201,042	↘	193,542	NORMAL
	Chashma	231,579	↘	225,058	NORMAL
	Taunsa	222,656	↘	197,078	NORMAL
	Guddu	188,424	↘	148,816	NORMAL
	Sukkur	144,694	→	90,044	NORMAL
Kabul	Kotri	69,925	↗	33,170	NORMAL
	Nowshera	51,900	↘	51,900	NORMAL
Jhelum	Mangla	60,000	↗	10,000	NORMAL
	Rasul	3,355	↗	0	NORMAL
Chenab	Marala	112,840	↘	96,594	NORMAL
	Khanki	140,248	→	133,168	LOW
	Q.Abad	187,069	→	172,069	MEDIUM
	Trimmu	33,095	→	19,665	NORMAL
	Panjnad	22,102	→	7,777	NORMAL
Ravi	Jassar	61,176	→	61,176	LOW
	Shahdara	25,407	↗	25,407	NORMAL
	Balloki	39,640	↘	12,540	NORMAL
	Sidhnai	22,456	↘	6,906	NORMAL
Sutlej	GS Wala	22,096	↗	22,096	NORMAL
	Sulemanki	23,142	↗	11,732	NORMAL
	Islam	1,691	→	841	NORMAL

### FORECASTED IMPACT NEXT 24-48 HOURS

- **Medium-High Level Flooding** in Rivers Chenab, Ravi, Sutlej and their associated Nullahs (*Bhimber, Aik, Deg, Bein, Palkhu & Basantar*). **Flows are likely to remain within water channels**, with probable impact only on low-lying areas adjacent to riverbanks.
- **Wind-thunderstorms / heavy rainfall** in North / Northeastern Punjab (*including Lahore, Sialkot & Narowal, Rawalpindi, DG Khan, Multan & Sargodha Divisions*).
- **Urban flooding** in municipal areas (*Lahore, Sialkot, Narowal, Gujranwala*) and **landsliding** in hilly / mountainous regions of Balochistan, KP, Punjab, GB & AJK.
- **Thunderstorms / moderate-heavy rainfall** in Sindh (*Karachi, Tharparkar, Sukkur, Larkana, Hyderabad, Badin, Shaheed Benazirabad*).
- **Thunderstorms / moderate-heavy rainfall** in Northeastern Balochistan (*Sibbi, Zhob, Kohlu, Qila Saifullah, Khuzdar, Barkhan, Loralai, Kalat, Naseerabad, Dera Bugti & Lasbela*).
- **Thunderstorms / moderate-heavy rainfall** expected in Islamabad, Khyber Pakhtunkhwa (*Peshawar, Kohat, Bannu, DI Khan*).

### 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 underpasses**.
- All **District Administrations** to **ensure completion of stock taking** and reconnaissance and **public awareness** / information in **vulnerable areas**, especially **Marala Headworks & Trimmu Barrage** on River Chenab and Jassar on River Ravi with respect to **chances of increased flood flows** until 20 July.
- **PDMA Punjab** to ensure **early warning, prompt response & evacuations** in **low-lying at-risk areas** along the banks of Rivers Chenab, Ravi, Sutlej and its associated Nullahs (*as indicated above*).
- **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**.
- **Enforce water regulation & contingency protocols** to managing high water flows / channelling into link canals be executed on **immediate basis**.
- **All stakeholders** to maintain proactive coordination to ensure **prompt and streamlined response**.