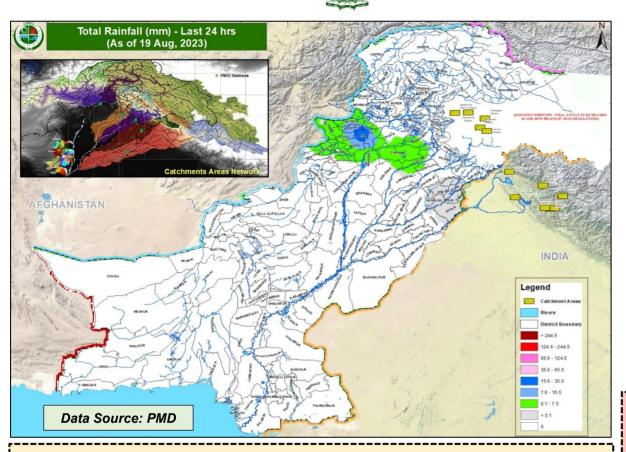
# NDMA - MONSOON SEASON 2023 UPDATE NO. 82 (19 AUG - 1300)

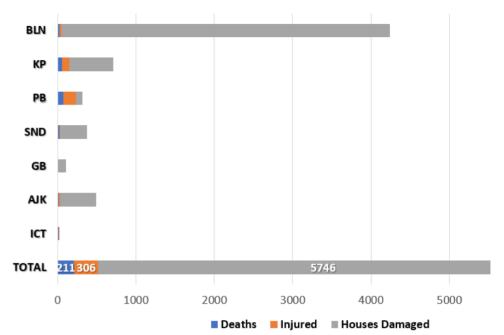




## TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- Balochistan. Nil
- Khyber Pakhtunkhwa. Bajaur 3
- Punjab. Chakwal 2
- Sindh. Nil
- Gilgit-Baltistan. Nil
- State of AJ&K. Bandi Abbaspur 4, Dhulli 1
- <u>ICT</u>. *Nil*

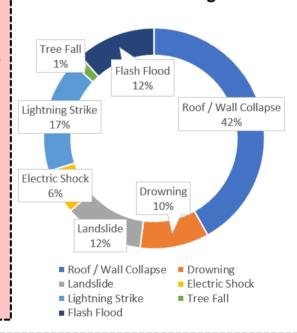
# Cumulative Losses & Damages (25 June to Date)



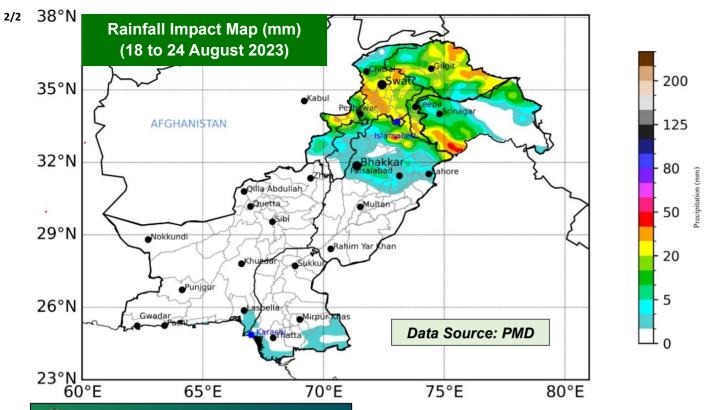
#### Flood River Sutlej - Evacuation Efforts

- After issuance of timely early warning / advisory from NDMA, PDMA Punjab has undertaken coordination for evacuation of vulnerable / at-risk population from lowlying areas adjacent River Sutlej in Districts Kasur, Okara, Bahawalnagar, Pakpattan & Vehari via Rescue 1122
  - o 156,132 x Persons evacuated / transported
  - 5,554 x Livestock evacuated
- Resources utilised include
  - o 166 x Boats
- o 616 x Rescue Personnel

### **Cumulative Deaths Categorization**



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



	FFD Discharge Report Recorded at: 19-Aug-2023 06:00 PST						
River	Site	Inflow		Outflow			
	Toubala	200.000	٠.	155 200	NORK		

River	Site	Inflow		Outfle	ow
Indus	Tarbela	200,000	<b>\</b>	155,300	NORMAL
	Kalabagh	218,692	~	210,692	NORMAL
	Chashma	256,948	<b>&gt;&gt;</b>	235,748	NORMAL
	Taunsa	227,745	<b>*</b>	208,745	NORMAL
	Guddu	255,779	*	225,943	LOW
	Sukkur	215,129	**	161,104	NORMAL
	Kotri	168,020	> <del>`</del> }/	127,815	NORMAL
Kabul	Nowshera	33,300	<b>*</b>	33,300	NORMAL
Jhelum	Mangla	23,000	~	21,515	NORMAL
	Rasul	18,850	n <del>a</del> r-	15,800	NORMAL
Chenab	Marala	67,030	-/	43,630	NORMAL
	Khanki	50,343	M	42,169	NORMAL
	Q.Abad	41,528	W	31,528	NORMAL
	Trimmu	81,201	1	67,601	NORMAL
	Panjnad	70,507	10m	54,707	NORMAL
Ravi	Jassar	23,700	$\rightarrow$	23,700	NORMAL
	Shahdara	29,317	~	29,317	NORMAL
	Balloki	38,570	<b>&gt;&gt;</b>	30,770	NORMAL
	Sidhnai	37,277	~	19,377	NORMAL
Sutlej	GS Wala	278,297	$\rightarrow$	278,297	EX_HIGH
	Sulemanki	80,143	~	66,427	LOW
	Islam	32 072	<b>→</b>	30 142	NORMAL

RESERVOIR LEVELS (0600 hrs)							
Det	ails	Tarbela	Mangla				
MCL	(Feet)	1,550.0	1,242.0				
Dead Le	vel (Feet)	1,402.0	1,050.0				
Water Le	vel (Feet)	1549.42	1242.00				
Change Last 24hrs		-0.18	0.00				
Live	Max	5.809	7.356				
Storage (MAF)	Present	5.786 5.776	7.356				
Change L	ast 24hrs	-0.010	0.000				
% Dan	n Filled	99.43	100				
Change L	ast 24hrs	-0.17	0.00				

#### **FORECASTED IMPACT NEXT 24 HOURS**

- River Sutlej at GS Wala has reached Extremely High Flood Level
- River Sutlej at Sulemanki is likely to attain Very High Flood Level on 21 Aug from 0600 onwards
- River Sutlej at Islam is likely to attain High Flood Level on 22 Aug from 0600 owards
- Hot and Humid Weather with Isolated Rain-Wind / Thundershowers expected
  - o Khyber Pakhtunkhwa (Dir, Swat, Abbottabad, Malakand and Galiyat)
  - o Punjab (Lahore, Sialkot, Narowal, Rawalpindi, Murree)
- Hot and Humid Weather with Isolated Rain expected in Islamabad Capital Territory
- Hot and Humid Weather expected in Balochistan and Sindh
- Dry Weather expected in Gilgit Baltistan
- Dry Weather with Isolated Rain expected in State of AJ&K

#### **GUIDANCE ISSUED**

- PDMAs to ensure early warning & prompt response in vulnerable areas in light of wind-thundershowers (in areas indicated above).
- PDMAs 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.
- 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 Punjab to ensure timely early warning and evacuation of all at-risk populace living downstream of GS Wala, Sulemanki and Islam on River Sutlej.
- PDMA Punjab to ensure provision of medical care and relief items to displaced populace in camps
- PDMA Khyber Pakhtunkhwa, PDMA Punjab & SDMA to ensure early warning, prompt evacuation and response in vulnerable low-lying areas downstream Tarbela & Mangla Dams in-case of any emergent water discharges or flooding situation in light of present reservoir levels.
- 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.