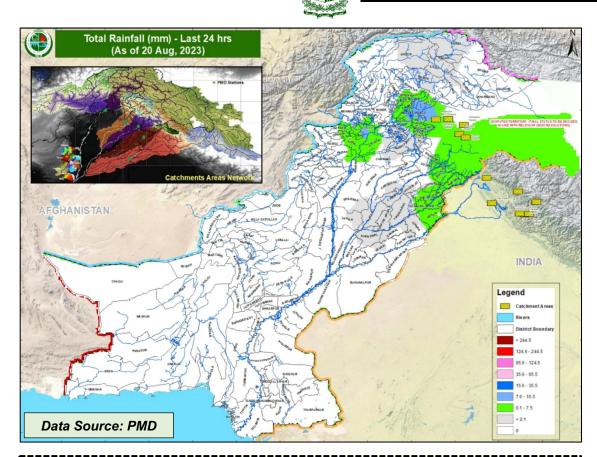
NDMA - MONSOON SEASON 2023 UPDATE NO. 84 (20 AUG - 1230 hrs)

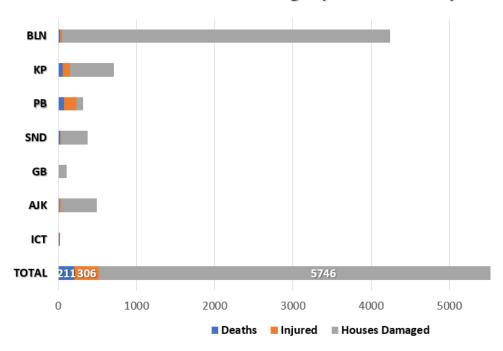




TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- Balochistan. Nil
- Khyber Pakhtunkhwa. Cherat 12
- <u>Punjab</u>. Narowal 4, Sialkot 4, Lahore 1
- Sindh. Nil
- Gilgit-Baltistan. Gilgit Trace
- State of AJ&K. Muzaffarabad 22, Bandi Abbaspur 11, Garhi Dupatta 4
- ICT. Nil

Cumulative Losses & Damages (25 June to Date)



Flood River Sutlej - Evacuation Efforts

 With issuance of timely early warning / advisory and pro-active engagement of all stakeholders by NDMA, coordinated evacuation of vulnerable / at-risk population from low-lying areas adjacent River Sutlej has been ensured in Districts Kasur, Okara, Bahawalnagar, Pakpattan, Vehari, Bahawalpur and Lodhran via Rescue 1122

Persons Evacuated / Transported: 162,247

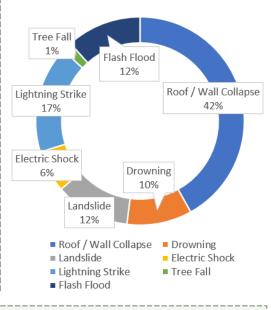
Livestock Evacuated: 5,803

Resources Deployed

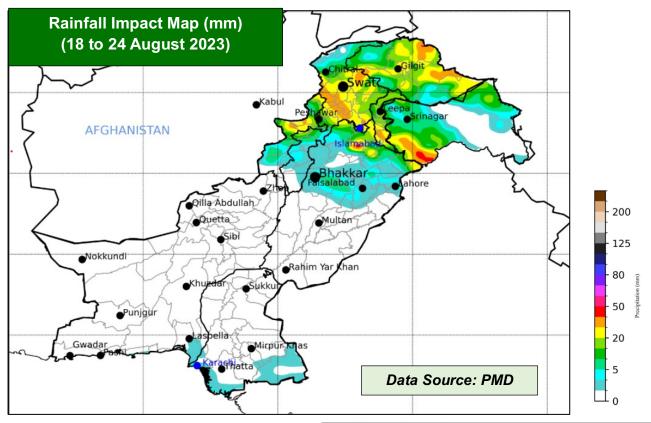
o Boats: 203

Rescue Personnel: 795

Cumulative Deaths Categorization



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



RESERVOIR LEVELS (0600 hrs)						
De	tails	Tarbela	Mangla			
MCL (Feet)		1,550.0	1,242.0			
Dead Level (Feet)		1,402.0	1,050.0			
Water Level (Feet)		1549.59	1242.00			
Change Last 24hrs		+0.17	0.00			
Live Storage (MAF)	Max	5.809	7.356			
	Present	5.786	7.356			
Change Last 24hrs		+0.010	0.000			
% Dam Filled		99.60	100			
Change Last 24hrs		+0.17	0.00			

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Quantitative	Qualitative Forecasted Flood
			Inflow	Outflow	24-hrs (Inflow)	Level (Inflow)
INDUS	Tarbela	1500	201.0	155.3	180-200	Below Low
	Kalabagh	950	205.0	197.0	200-230	-do-
	Chashma	950	265.8	244.6	230-265	Low
	Taunsa	1100	227.7	208.7	200-230	Below Low
	Guddu	1200	257.0	224.4	250-260	Low
	Sukkur	1500	216.1	161.1	210-220	-do-
	Kotri	875	162.1	121.8	No Sig.change	Below Low
KABUL	Nowshera		32.9	32.9	-do-	-do-
JHELUM	Mangla	1060	24.0	22.3	20-25	-do-
	Rasul	850	15.0	11.9	No Sig.change	-do-
CHENAB	Marala	1100	64.9	38.2	55-65	-do-
	Khanki	1100	48.7	40.4	No Sig.change	-do-
	Qadirabad	807	39.9	29.9	-do-	-do-
	Trimmu	645	69.6	56.0	-do-	-do-
	Punjnad	700	70.5	54.7	-do-	-do-
RAVI	Jassar	275	20.2	20.2	-do-	-do-
	Shahdara	250	30.0	30.0	-do-	-do-
	Balloki	225	38.0	30.2	-do-	-do-
	Sidhnai	150	38.1	20.2	35-40	Low
SUTLEJ	G.S. Wala		253.1	253.1	253 F 200	Ex. High
	Sulemanki	325	113.4	113.4	130 R 220	High to V. High
	Islam	300	32.1	30.1	35-50	Low

FORECASTED IMPACT NEXT 24 HOURS

- River Sutlej at GS Wala has reached EXTREMELY HIGH FLOOD and is in FALLING TREND
- River Sutlej at Sulemanki is now at High Flood in a RISING TREND and is likely to attain Very High Flood Level by this evening
- River Sutlej at Islam is likely to attain High Flood Level on 22 Aug from 0600 onwards
- At-risk Districts include Kasur, Okara, Bahawalnagar, Pakpattan, Vehari, Bahawalpur, & Lodhran
- 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.