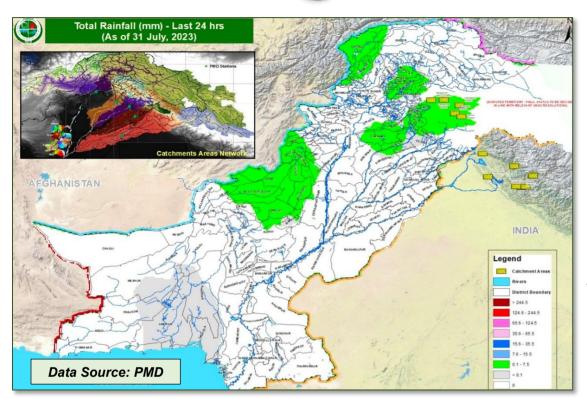
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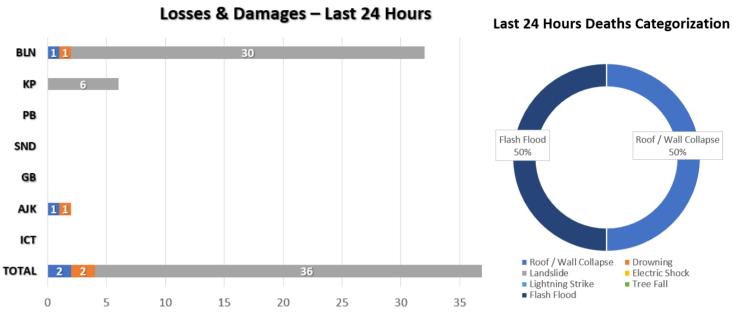
NDMA - MONSOON SEASON 2023 UPDATE NO. 48 (31 JULY - 1900)



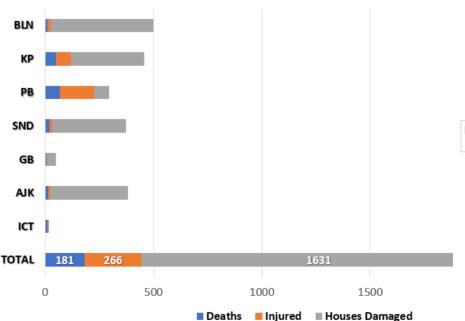


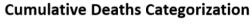
TOP RAINFALL RECORDED LAST 24 HOURS (MM)

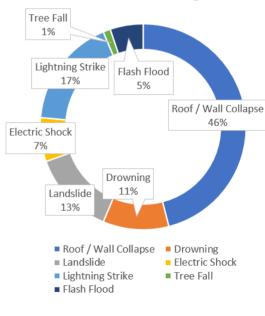
- Balochistan. Zhob 4, Loralai 3
- KP. Tirah 3, Mirkhani 2, Drosh 1, Balakot 1
- Punjab. Chakwal 2, Dera Ghazi Khan 2
- Sindh. Nil
- GB. Nil
- AJK. Kotli 3, Dhulli 1, Bandi Abbaspur 1
- ICT. Nil



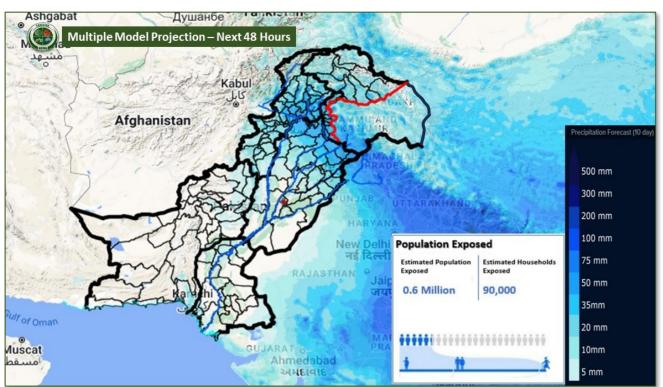








Note: Losses / Damages figures are provided by PDMAs/ GBDMA/ SDMA/ Govt Depts and are preliminary.



River	Site	Inflow		Outflow	
Indus	Tarbela	228,000	\	251,000	LOW
	Kalabagh	235,073	>>	227,073	NORMA
	Chashma	330,907	~	326,611	LOW
	Taunsa	363,428	\rightarrow	363,428	LOW
	Guddu	481,050	~	456,440	MEDIUN
	Sukkur	448,110	~	410,860	MEDIUN
	Kotri	179,556	~	142,471	NORMA
Kabul	Nowshera	49,300	~	49,300	NORMA
Jhelum	Mangla	54,000	*	10,000	NORMA
	Rasul	8,191	~	5,341	NORMA
Chenab	Marala	80,165	~ /	65,042	NORMA
	Khanki	69,224	X	62,144	NORMA
	Q.Abad	66,913	W.	56,913	NORMA
	Trimmu	101,050	-	95,550	NORMA
	Panjnad	105,053	10 h	93,603	NORMA
Ravi	Jassar	34,640	\rightarrow	34,640	NORMA
	Shahdara	32,138	\rightarrow	32,138	NORMA
	Balloki	60,750	>>	39,250	NORMA
	Sidhnai	50,922	~	39,572	LOW
Sutlej	GS Wala	57,380	\rightarrow	57,380	NORMA
	Sulemanki	71,437	\rightarrow	64,728	LOW

53.706

53.706

FFD Discharge Report

RESERVOIR LEVELS (0600 hrs)						
Det	ails	Tarbela	Mangla			
MCL	(Feet)	1,550.0	1,242.0			
Dead Lev	vel (Feet)	1,402.0	1,050.0			
Water Le	vel (Feet)	1,536.15	1,228.20			
Change L	ast 24hrs	+1.49	+1.2			
Live	Max	5.809	7.356			
Storage (MAF)	Present	5.022	6.285			
Change L	ast 24hrs	+0.084	+0.089			
% Dam	Filled	86.45	85.44			
Change L	ast 24hrs	+1.45	+1.21			

FORECASTED IMPACT NEXT 24 HOURS

- High Level Flooding forecasted in River Indus at Guddu Barrage. Medium Level Flooding likely to continue in River Indus at Taunsa and Sukkur and in River Ravi at Sidhnai.
- Hot and Humid weather is expected in most parts of the country while Rain / Thundershowers with Strong Winds are expected in the following regions:
 - Balochistan (Musakhel, Zhob and Barkhan)
 - o Khyber Pakhtunkhwa (Galliyat, Dir, Swat, Abbottabad, Mansehra and Kohistan)
 - o Punjab (DG Khan, Sialkot, Narowal, Lahore, Jhelum, Chakwal, Murree and Rawalpindi)
 - Sindh (Coastal Regions)
 - o Gilgit Baltistan
 - State of AJ&K
 - 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 and Barkhan to remain active.
- 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.
- 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.
- PDMAs 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 flood 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).
- PDMA Sindh to ensure all necessary measures undertaken in light of High Flood Levels at Guddu & Sukkur.
- 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.