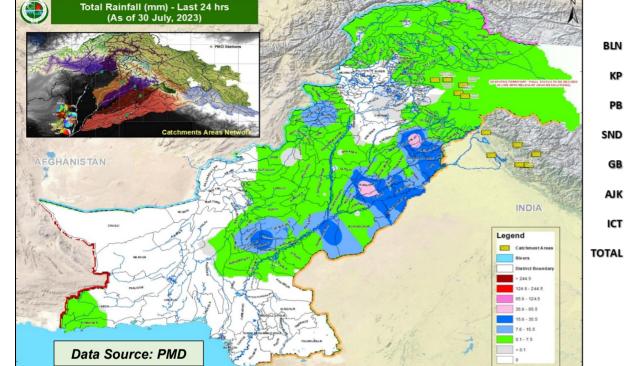
NDMA - MONSOON SEASON 2023 UPDATE NO. 46 (30 JULY - 1930)

Losses & Damages – Last 24 Hours

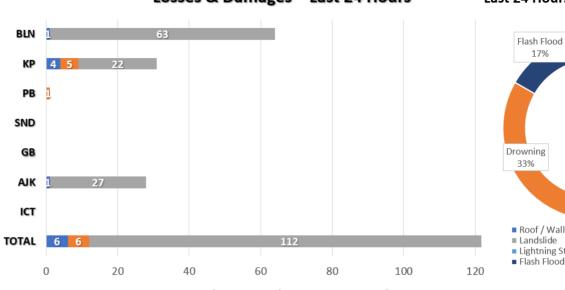
Last 24 Hours Deaths Categorization

17%



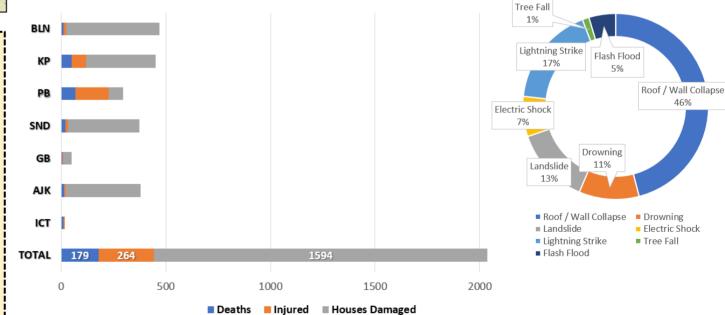
TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- Balochistan. Jiwani 5, Barkhan 2
- KP. Bannu 14, Tirah 5, Dir 3, Parachinar 3, Kalam 3, DI Khan 1
- Punjab. Lahore 156, Khanewal 64, Hafizabad 52, DG Khan 38, Khanpur 28, Faisalabad 22, Kasur 20, Sahiwal 20, Bahawalnagar 19, Multan 10, Gujranwala 5, Gujrat 5, Okara 5, Narowal 3, Sialkot 2, Kot Addu 2, Jhelum 1, TT Singh 1
- Sindh. Jacobabad 25, Larkana 2
- GB. Astore 8, Bunji 3, Bagrote 2, Chilas 1
- AJK. Muzaffarabad 2, Dhulli 2
- ICT. Nil



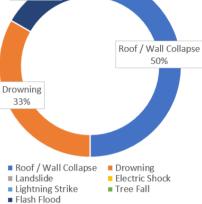
Deaths Injured Houses Damaged

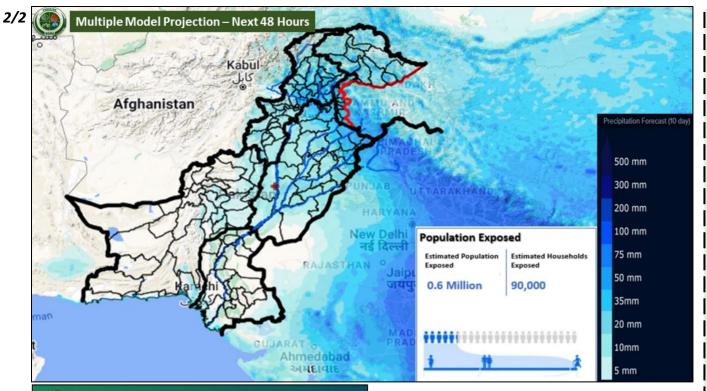
Cumulative Losses & Damages (25 June to Date)



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

Cumulative Deaths Categorization





٢	FFD Dis Recorded	scharg at: 30-Jul-2023		<u></u>		RE	SE	
River	Site	Inflow		Outflo	w	D	et	
	Tarbela	255,000	5	256,900	LOW			
	Kalabagh	310,971	~	302,971	LOW	MC	L	
	Chashma	362,861	~	358,261	LOW	Dead	_	
Indus	Taunsa	368,299	\rightarrow	368,299	LOW	Dead L	Dead Le	
	Guddu	482,913	~	461,353	MEDIUM	Water I	Δ	
	Sukkur	392,055	~	360,055	MEDIUM	Water	_	
	Kotri	159,101	~	123,126	NORMAL	Change) L	
Kabul	Nowshera	58,700	~	58,700	NORMAL			
Ile a la ser	Mangla	68,000	5	10,000	NORMAL	Live		
Jhelum	Rasul	2,550	m	0	NORMAL	Storage		
	Marala	91,232	\rightarrow /	74,232	NORMAL	(MAF)	F)	
	Khanki	80,936	×	73,974	NORMAL	Change		
Chenab	Q.Abad	76,821	. >!/	66,821	NORMAL	onunge		
	Trimmu	89,913	~	81,413	NORMAL	% Da	an	
	Panjnad	104,953	19	93,603	NORMAL			
	Jassar	37,010	5	37,010	NORMAL	Change) L	
Devi	Shahdara	32,138	5	32,138	NORMAL			
Ravi	Balloki	74,225	~	55,625	LOW			
	Sidhnai	47,514	~	35,164	LOW			
	GS Wala	55,900	-	55,900	NORMAL			
Sutlej	Sulemanki	71,437	5	71,437	LOW			
	Islam	49,607	\rightarrow	49,607	NORMAL			

RESERVOIR LEVELS (0600 hrs)							
De	tails	Tarbela	Mangla				
MCL	(Feet)	1,550.0	1,242.0				
Dead Le	vel (Feet)	1,402.0	1,050.0				
Water Le	evel (Feet)	1,534.66	1,227.00				
Change I	ast 24hrs	+1.02 ft	+1.8 ft				
Live	Мах	5.809	7.356				
Storage (MAF)	Present	4.938	6.196				
Change I	ast 24hrs	+0.054	+0.132				
% Dan	n Filled	85.00	84.23				
Change I	_ast 24hrs	+0.93%	+1.8%				
		· ·					

FORECASTED IMPACT NEXT 24 HOURS

- Flash Flooding of Moderate to Heavy intensity is expected in Tributaries of River Kabul and Hill Torrents of D.G Khan Division from 27 30 July.
- Due to convergence of flows at Taunsa & Punjnad Guddu Barrage may attain High Flood Level on 30 July 2023 and Sukkur Barrage may attain High Flood Level on 31 July.
- Rain-Wind-Thundershowers with scattered heavy falls of moderate intensity
 - 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, Sheikhupura, Hafizabad, Gujranwala, Gujrat, Kasur, Mianwali, Sargodha, Khushab, Faisalabad, Toba Tek Singh, Jhang, Bhakkar, Sahiwal, Bahawalnagar and Okara).
 - o Gilgit Baltistan (Diamer, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar).
 - State of AJ&K (Neelum, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber and Mirpur).
 - o Islamabad Capital Territory.
- Rain-Wind-Thundershowers with few heavy falls of moderate intensity
 - Balochistan (Kalat, Khuzdar, Lasbela, Awaran, Kech, Gwadar, Panjgur, Mastung, Sibbi, Naseerabad, Zhob, Sherani, Barkhan, Musakhel, Kohlu, Jhal Magsi and Loralai).
 - o Punjab (DG Khan, Rajanpur, Multan, Khanewal, Layyah, Kot Addu, Bahawalpur and RY Khan).
- 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.
- 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.