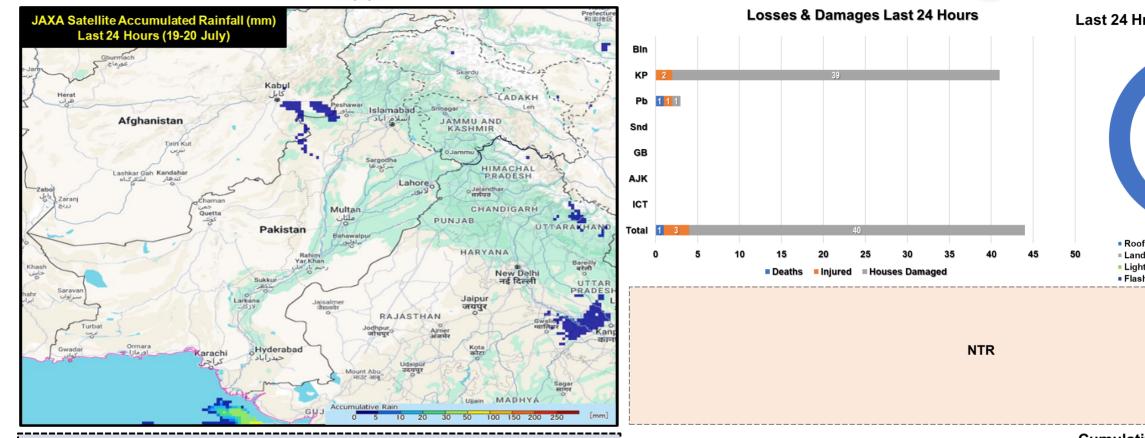
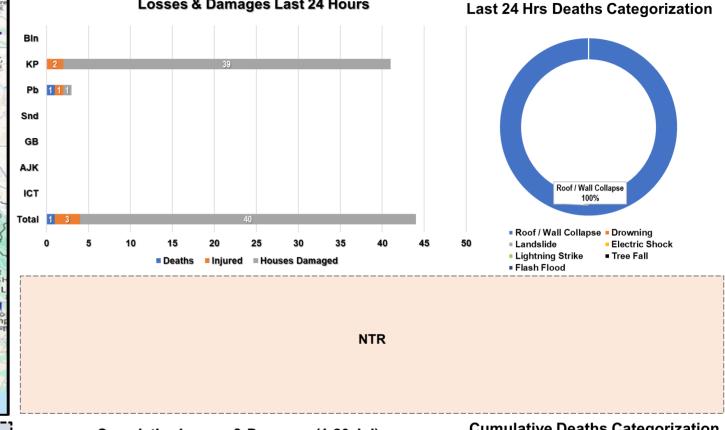


NDMA MONSOON 2024 UPDATE NO. 020 (20 JUL - 1330 HRS)







TOP RAINFALL RECORDED LAST 24 HOURS (MM)

Balochistan. Sibbi 35, Barkhan 2

Khyber Pakhtunkhwa. Dir 10, Mirkhani 8, Kalam 1, Drosh 1, Balakot 1

Punjab. Multan 69, Mianwali 37, Khanewal 22, Kasur 7, Okara 7, Multan 7, T.T. Singh 4, Shorkot 4,

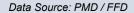
Faisalabad 4, Muzaffargarh 3, Sahiwal 2

Sindh. Karachi 16, Badin 14

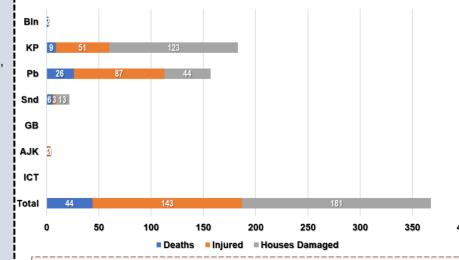
Gilgit-Baltistan. Nil

State of AJ&K. Bandi Abbaspur 10

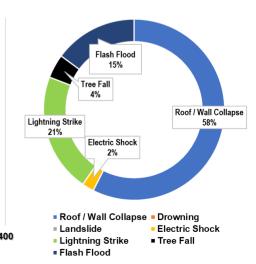
ICT. Nil



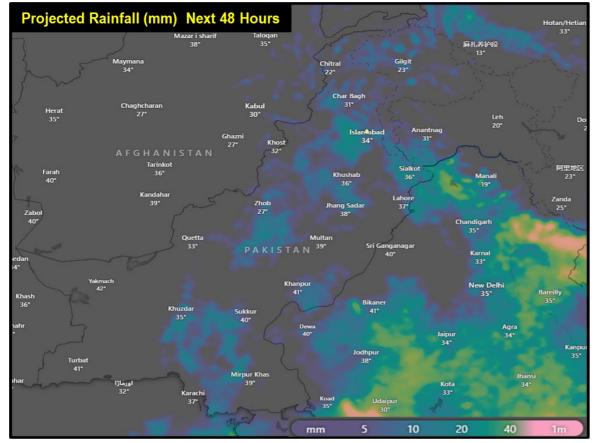
Cumulative Losses & Damages (1-20 Jul)



Cumulative Deaths Categorization



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



Pakistan Reservoirs Data (20 Jul - 0600 hours)							
Details		Tarbela Dam	Mangla Dam				
MCL (Feet)		1,550.00	1,242.00				
Dead Level (Feet)		1,402.00	1,050.00				
Water Level (Feet)		1,517.69	1,196.70				
Change Last 24 hrs (Feet)		-1.01	+0.25				
Storage (MAF)	Max	5.809	7.356				
	Present	4.013	4.052				
Change Last 24 hrs		-0.005	+0.015				
% Dam Filled		70.00	55.68				
% Change Last 24 hrs		0.00	+0.2				
Data Source: WAPDA							

Indian Dams Data (19 Jul - 0600 hours)							
Details		Bhakra	Pong	Thein			
MCL (Feet)		1,680.00	1,390.00	1,732.00			
Water Level (Feet)		1,597.45	1,313.55	1,635.58			
Change (Feet)		+0.62	-1.84	-10.76			
Storage (MAF)	Max	5.050	4.991	1.900			
	Present	1.861	1.132	0.460			
Change		+0.15	-0.062	-0.123			
% Dam Filled		37	23	24			
% Change		0	-1	-7			
2023 Position (%)		64	75	85			
Data Source: PCIW							

River Site Inflow Outflow	FFD Discharge Report Recorded at: 20-Jul-2024 12:00 PST							
Kalabagh 216,868	River	Site	Inflow		Outflow			
Chashma 246,372	Indus	Tarbela	175,000	>>	164,300	NORMAL		
Indus		Kalabagh	216,868	*	208,878	NORMAL		
Guddu		Chashma	246,372	~	235,072	NORMAL		
Sukkur 125,525 → 74,630 NORMAL		Taunsa	224,088	~	204,088	NORMAL		
Kotri		Guddu	175,079	1	136,504	NORMAL		
Nowshera 53,500		Sukkur	125,525	-	74,630	NORMAL		
Jhelum		Kotri	78,485	W	38,920	NORMAL		
Sulter Sulter	Kabul	Nowshera	53,500	>>	53,500	NORMAL		
Rasul	Jhelum	Mangla	25,000	~	15,000	NORMAL		
Chenab Q.Abad 41,855 23,855 NORMAL		Rasul	10,465	n n r-	0	NORMAL		
Chenab Q.Abad 41,855 № 23,855 NORMAL Trimmu 18,510 → 5,368 NORMAL Panjnad 18,955 → 5,095 NORMAL Jassar 11,081 ✓ 11,081 NORMAL Shahdara 16,168 ✓ 16,168 NORMAL Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 № 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL	Chenab	Marala	55,371	-/	27,571	NORMAL		
Trimmu 18,510 → 5,368 NORMAL Panjnad 18,955 → 5,095 NORMAL Jassar 11,081 → 11,081 NORMAL Shahdara 16,168 → 16,168 NORMAL Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 ∿ 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL		Khanki	32,849	W	25,150	NORMAL		
Panjnad 18,955 → 5,095 NORMAL Jassar 11,081 ✓ 11,081 NORMAL Shahdara 16,168 ✓ 16,168 NORMAL Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 ∿ 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL		Q.Abad	41,855	Ys.	23,855	NORMAL		
Ravi		Trimmu	18,510	-N	5,368	NORMAL		
Ravi Shahdara 16,168 NORMAL Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 ∿ 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL		Panjnad	18,955	100	5,095	NORMAL		
Ravi Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 >> 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL	Ravi	Jassar	11,081	~	11,081	NORMAL		
Balloki 27,470 → 2,970 NORMAL Sidhnai 13,000 √₂ 0 NORMAL GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL		Shahdara	16,168	~	16,168	NORMAL		
GS Wala 1,014 → 1,014 NORMAL Sutlej Sulemanki 13,526 → 2,502 NORMAL		Balloki	27,470	\rightarrow	2,970	NORMAL		
Sutlej Sulemanki 13,526 → 2,502 NORMAL		Sidhnai	13,000	>>	0	NORMAL		
5410) Salemann 19,020 2,002	Sutlej	GS Wala	1,014	\rightarrow	1,014	NORMAL		
		Sulemanki	13,526	\rightarrow	2,502	NORMAL		
Islam 3,727 → 1,777 NORMAL		Islam	3,727	\rightarrow	1,777	NORMAL		

Forecasted Impact Next 24-48 Hours

- Balochistan. Rain-wind / thundershowers with heavy falls at isolated places expected in Lasbela, Awaran, Bela, Khuzdar, Panjgur, Kech, Kharan, Ormara, Zhob, Barkhan, Musa Khel, Sherani, Kohlu, Harnai, Sibbi, Loralai, Naseerabad, Jhal Magsi and Jaffarabad.
- Khyber Pakhtunkhwa. Rain-wind / thundershowers expected in Dir, Chitral, Swat, Kohistan, Malakand, Bajaur, Shangla, Battagram, Buner, Kohat, Bajaur, Mohmand, Khyber, Mansehra, Abbottabad, Galiyat, Haripur, Peshawar, Mardan, Charsadda, Hangu, Kurram, Waziristan, Bannu and Dera Ismail Khan up to 21st July with occasional gaps.
- Punjab. Rain-windstorm / thundershowers expected at isolated places in Murree, Sialkot, Narowal, Gujrat, Gujranwala, Lahore, Kasur, Sheikhupura, Nankana Sahib, Pakpattan, Faisalabad, Layyah, Bahawalpur, Bahawalnagar, Dera Ghazi Khan, Rajanpur, Multan, Rahim Yar Khan, Khanewal, Muzaffargarh and Kot Addu.
- Sindh. Rain-wind / thundershowers with heavy falls in isolated places expected in Dadu, Jamshoro, Qambar Shahdadkot, Sh. Benazirabad, Sukkur, Kashmore, Khairpur, Larkana, Badin, Thatta, Sujawal, Karachi, Jacobabad, Shikarpur, Hyderabad, Tharparkar, Umarkot, Mirpurkhas and Sanghar.
- Islamabad Capital Territory. Hot and humid weather is expected.
- Gilgit Baltistan. Partly cloudy weather is expected.
- AJ&K. Rain-wind / thundershowers expected in Neelum Valley, Muzaffarabad, Rawalakot, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber, Mirpur from up to 21st July with occasional gaps.
- Flash flooding and land sliding in hilly / mountainous regions of Balochistan, KP, GB and AJ&K
- Heavy falls may cause urban flooding in Peshawar, Lahore, Islamabad, Rawalpindi, Faisalabad, Sialkot, Narowal, Gujranwala and other areas.
- Heavy Falls may increase flows in local nullahs, streams of Balochistan, KP, Punjab and AJ&K.
- Heavy Rains-windstorms / lightning may cause roof/wall collapse of kacha houses, electric poles, billboards and solar panels.
- Higher Temperatures & Rains may trigger GLOF Incidents in vulnerable valleys of KP and GB

Guidance Issued

- PDMAs to ensure early warning & prompt response in vulnerable areas in light of forecasted conditions
- 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 plans for areas vulnerable to flooding in urban centres, catering for prompt de-watering operations in flooded areas.
- 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.
- Ensure that public avoid crossing nullahs and keep livestock away during adverse weather conditions.
- Ensure that public Does Not Venture Outside during Thunderstorms and Do Not Seek Shelter Under Trees to avoid risk of lightning strike.
- Ensure that public undertakes adequate measures to maintain their homes from adverse effects of heavy rainfall
 in order to avoid roof / wall collapses.
- Additional guidance is available on NDMA Website and "Pak NDMA Alert" app available on Google Play Store and iOS App Store.