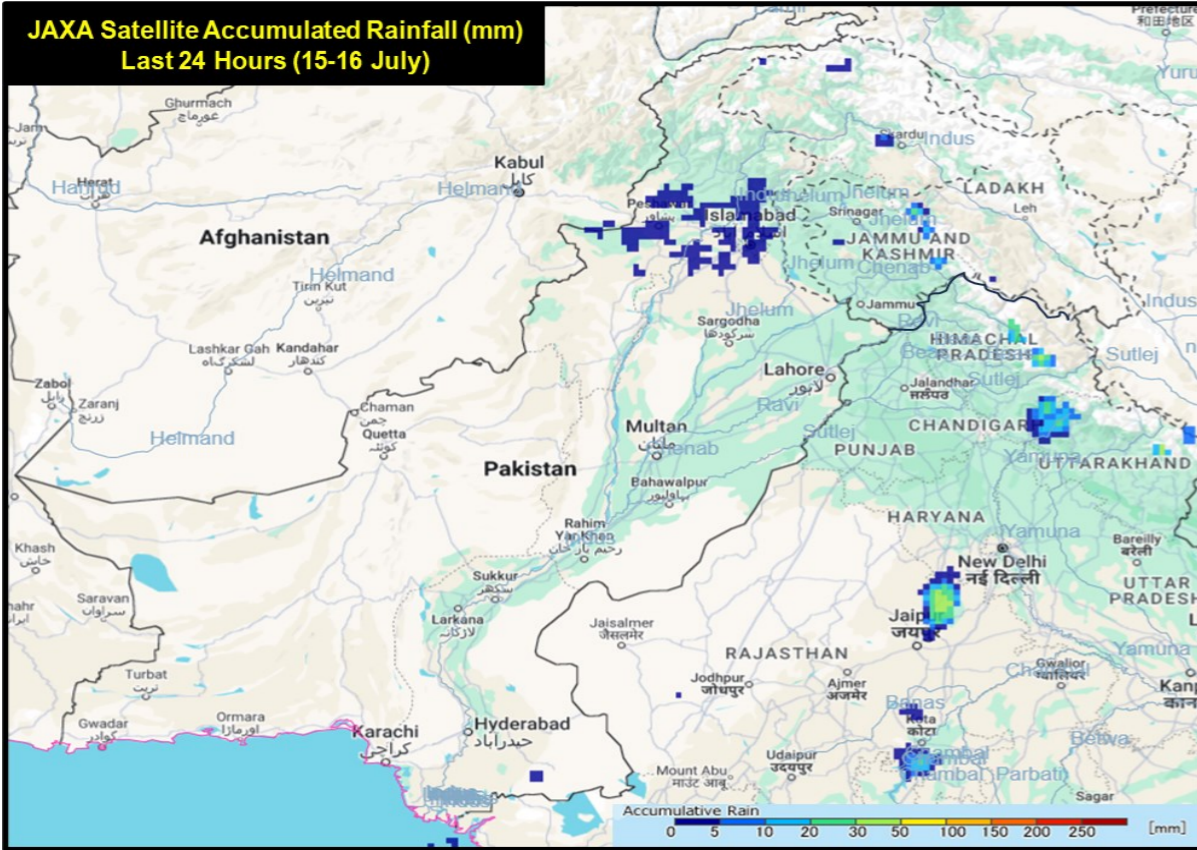




JAXA Satellite Accumulated Rainfall (mm) Last 24 Hours (15-16 July)



NTR

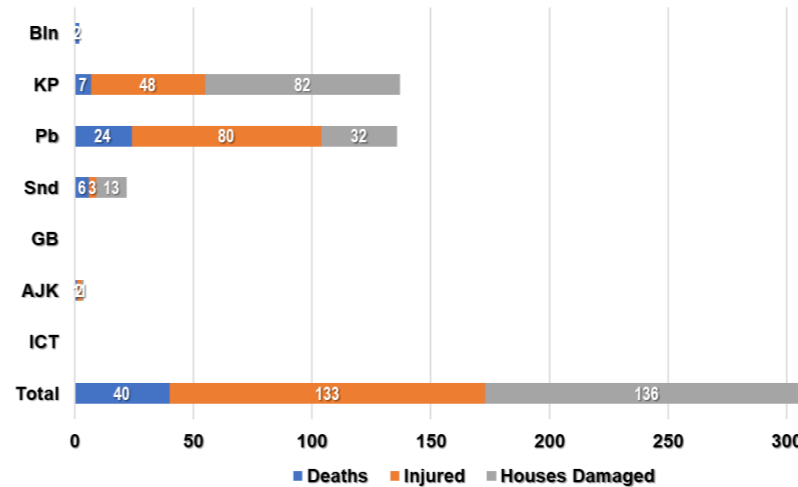
NTR

TOP RAINFALL RECORDED LAST 24 HOURS (MM)

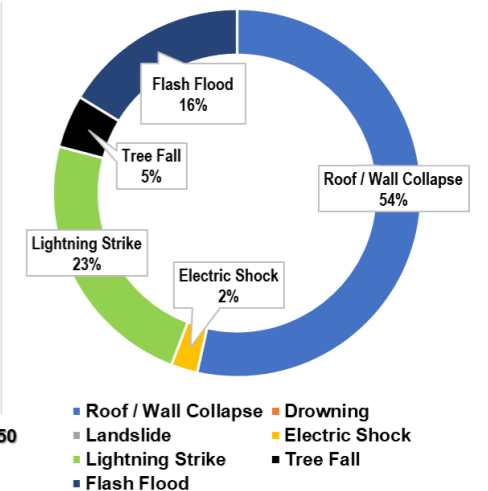
- Balochistan.** Nil
- Khyber Pakhtunkhwa.** Upper Dir 28, Bajaur Pasht 18, Lower Dir 9, Peshawar 8, Kalam 8, Ghalanai 3, Chitral 2, Saidu Sharif 2, Bajaur Khar 1
- Punjab.** Nil
- Sindh.** Tharparkar 22, Chhor 20, Karachi 1
- Gilgit-Baltistan.** Bunji 1
- State of AJ&K.** Nil
- ICT.** Nil

Data Source: PMD / FFD

Cumulative Losses & Damages (1-16 Jul)

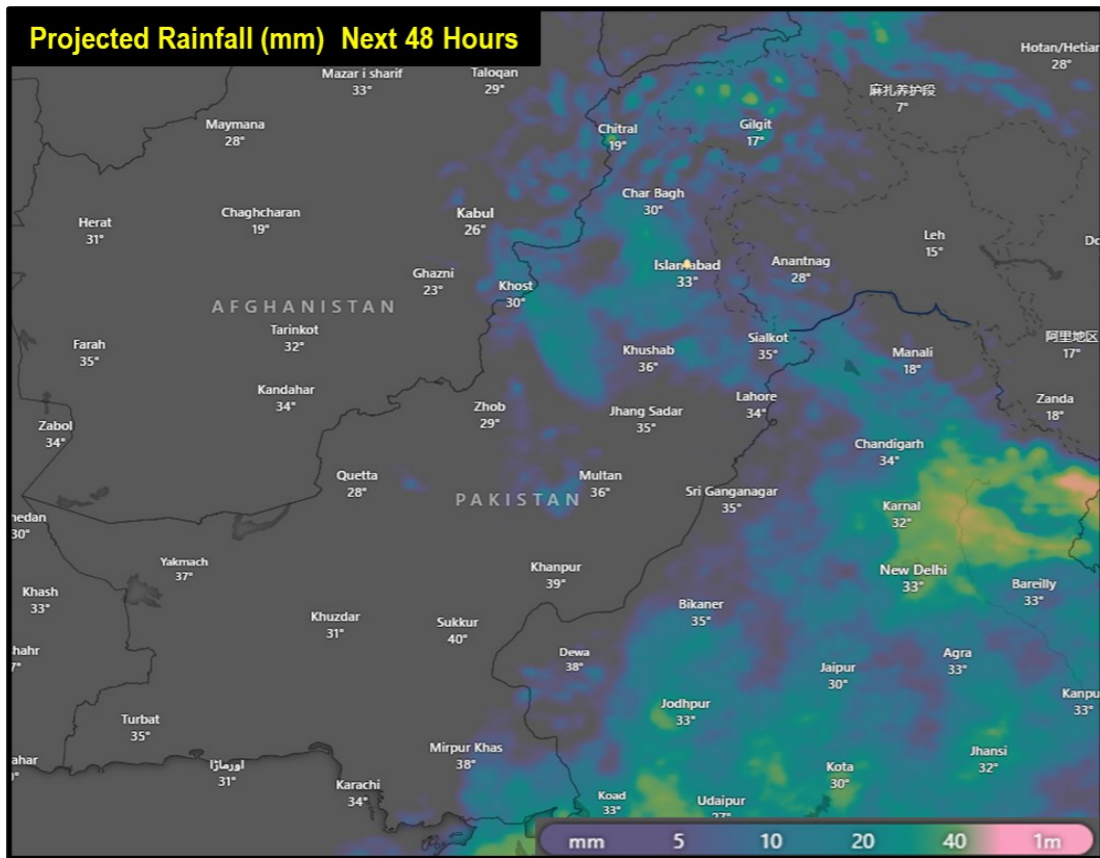


Cumulative Deaths Categorization



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

Projected Rainfall (mm) Next 48 Hours



Pakistan Reservoirs Data (16 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)	1,523.07	1,195.50
Change Last 24 hrs (Feet)	-0.84	+0.45
Storage (MAF)	Max	5.809
	Present	4.285
Change Last 24 hrs	-0.043	+0.027
% Dam Filled	74.00	54.69
% Change Last 24 hrs	0.00	+0.37

Data Source: WAPDA

Indian Dams Data (12 Jul - 0600 hours)			
Details	Bhakra	Pong	Thein
MCL (Feet)	1,680.00	1,390.00	1,732.00
Water Level (Feet)	1,596.83	1,315.39	1,646.34
Change (Feet)	+6.43	+8.6	+0.1
Storage (MAF)	Max	5.050	4.991
	Present	1.846	1.194
Change	+0.15	+0.27	0
% Dam Filled	37	24	31
% Change	+3	+5	0

Data Source: PCIW

FFD Discharge Report				
Recorded at: 16-Jul-2024 12:00 PST				
River	Site	Inflow	Outflow	
Indus	Tarbela	150,000	163,400	NORMAL
	Kalabagh	223,444	215,454	NORMAL
	Chashma	246,999	235,499	NORMAL
	Taunsa	214,810	189,810	NORMAL
	Guddu	177,784	139,263	NORMAL
Kabul	Sukkur	133,460	81,640	NORMAL
	Kotri	58,805	16,150	NORMAL
	Nowshera	67,300	67,300	LOW
Jhelum	Mangla	27,000	15,000	NORMAL
	Rasul	8,605	0	NORMAL
Chenab	Marala	42,865	16,865	NORMAL
	Khanki	19,462	13,062	NORMAL
	Q.Abad	18,857	5,857	NORMAL
	Trimmu	29,525	13,575	NORMAL
	Panjnad	21,950	8,130	NORMAL
Ravi	Jassar	2,382	2,382	NORMAL
	Shahdara	13,306	13,306	NORMAL
	Balloki	31,750	6,950	NORMAL
Sutlej	Sidhnai	16,572	1,322	NORMAL
	GS Wala	1,014	1,014	NORMAL
	Sulemanki	17,124	4,968	NORMAL
	Islam	6,628	5,028	NORMAL

Forecasted Impact Next 24-48 Hours

- Balochistan.** Mainly hot and humid weather expected in most districts. Rain-wind / thundershowers expected in northeastern parts of Balochistan including Khuzdar, Kalat, Lasbela, Awaran, Ziarat, Zhob, Barkhan, Musa Khel, Shirani, Kohlu, Harnai, Naseerabad and Jaffarabad from 17th to 19th July with occasional gaps.
- 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 from 16th evening / night to 21st July with occasional gaps.
- Punjab.** Rain-wind / thundershowers expected in Rawalpindi, Murree, Attock, Chakwal, Tala Gang, Jhelum, Mandi Bahauddin, Gujrat, Gujranwala, Hafizabad, Wazirabad, Lahore, Sheikhpura, Sialkot, Narowal, Sahiwal, Jhang, Toba Tek Singh, Nankana Sahib, Chiniot, Faisalabad, Okara, Pakpattan, Kasur, Khushab, Sargodha, Bhakkar, Mianwali, Bahawalpur, Bahawalnagar, D.G. Khan, Multan, Khanewal, Lodhran, Muzaffargarh, Kot Addu, Rajanpur, Rahim Yar Khan and Layyah from 17th to 20th July with occasional gaps.
- Sindh.** Mainly hot and very humid weather expected in most districts. Rain-wind / thundershowers expected in Mithi, Sanghar, Umarkot, Tharparkar, Mirpurkhas, Badin, Sujawal, Thatta, Karachi, Hyderabad, Jacobabad, Sukkur, Shikarpur, Qambar Shahdadkot, Larkana, Dadu and Padidan from 18th to 19th July with occasional gaps.
- Islamabad Capital Territory.** Rain-wind / thundershowers expected from 17th to 20th July with occasional gaps.
- Gilgit Baltistan.** Mainly partly cloudy to cloudy weather conditions expected. Rains also expected in Diamer, Astore, Skardu, Gilgit, Ghanche, Shigar from 17th to 21st July with occasional gaps.
- AJ&K.** Rain-wind / thundershowers expected in Neelum Valley, Muzaffarabad, Rawalakot, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber, Mirpur from 16th evening / night 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.
- Increased Temperatures & Rains** may trigger GLOF Incidents in vulnerable valleys of KP and GB

Guidance Issued

- PDMA to ensure early warning & prompt response in vulnerable areas in light of forecasted conditions
- PDMA 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.