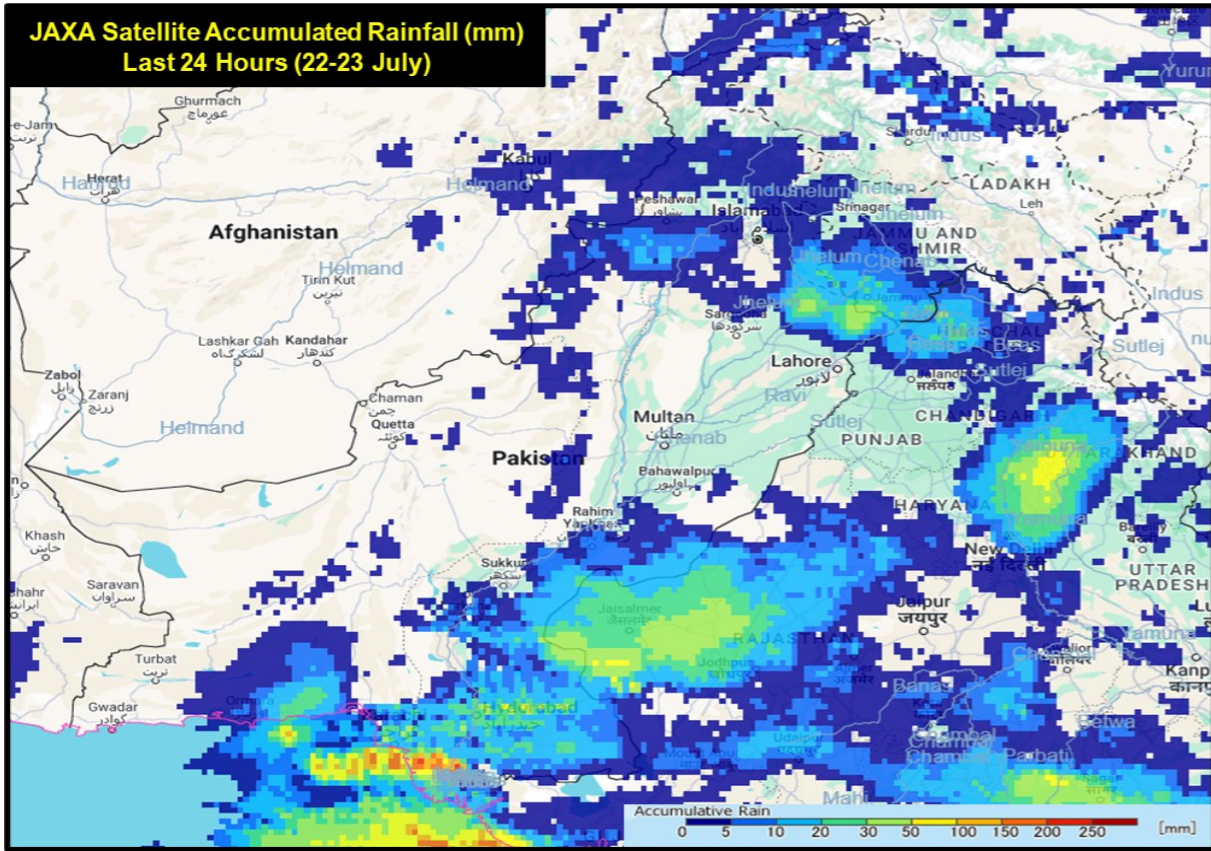




# NDMA MONSOON 2024 UPDATE NO. 023 (23 JUL - 1600 HRS)



NTR

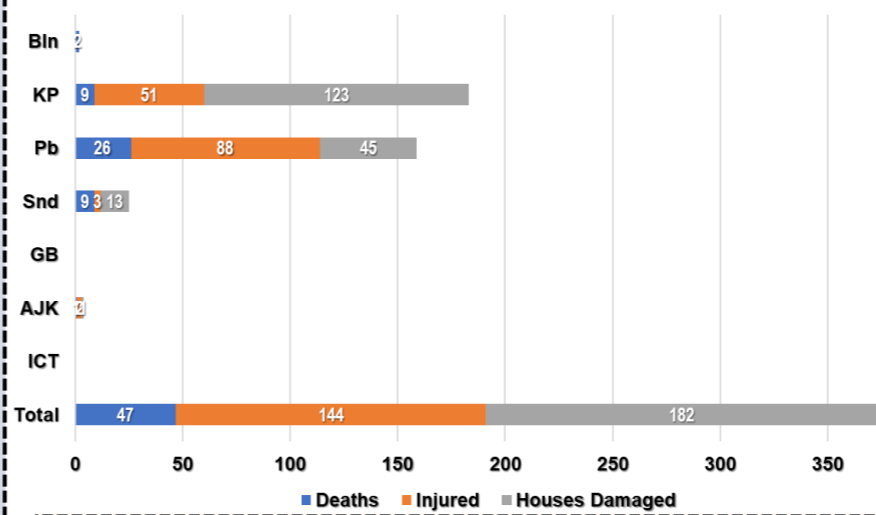


## TOP RAINFALL RECORDED LAST 24 HOURS (MM)

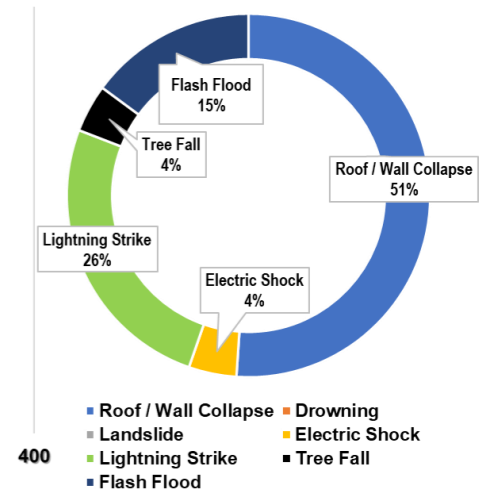
- Balochistan.** Lasbela 18
- Khyber Pakhtunkhwa.** Balakot 17, Buner 1
- Punjab.** Sialkot **114**, M.B. Din **98**, Gujranwala **82**, Gujrat **63**, Narowal **54**, Mangla **42**, Jhelum **37**, Hafizabad **35**, Rawalpindi 20, Murree 18, Sheikhupura 16
- Sindh.** Tharparkar **32**, Mirpurkhas 13, Badin 6, Chhor 6, Karachi 6
- Gilgit-Baltistan.** Nil
- State of AJ&K.** Kotli 26, Dhulli 19, Muzaffarabad 18, Bandi Abbaspur 15, Tandali 7, Panjera 4, Barnala 2, Garhi Dupatta 1
- ICT.** City 30, Saidpur 10, Golra 1

Data Source: PMD / FFD

## Cumulative Losses & Damages (1-23 Jul)

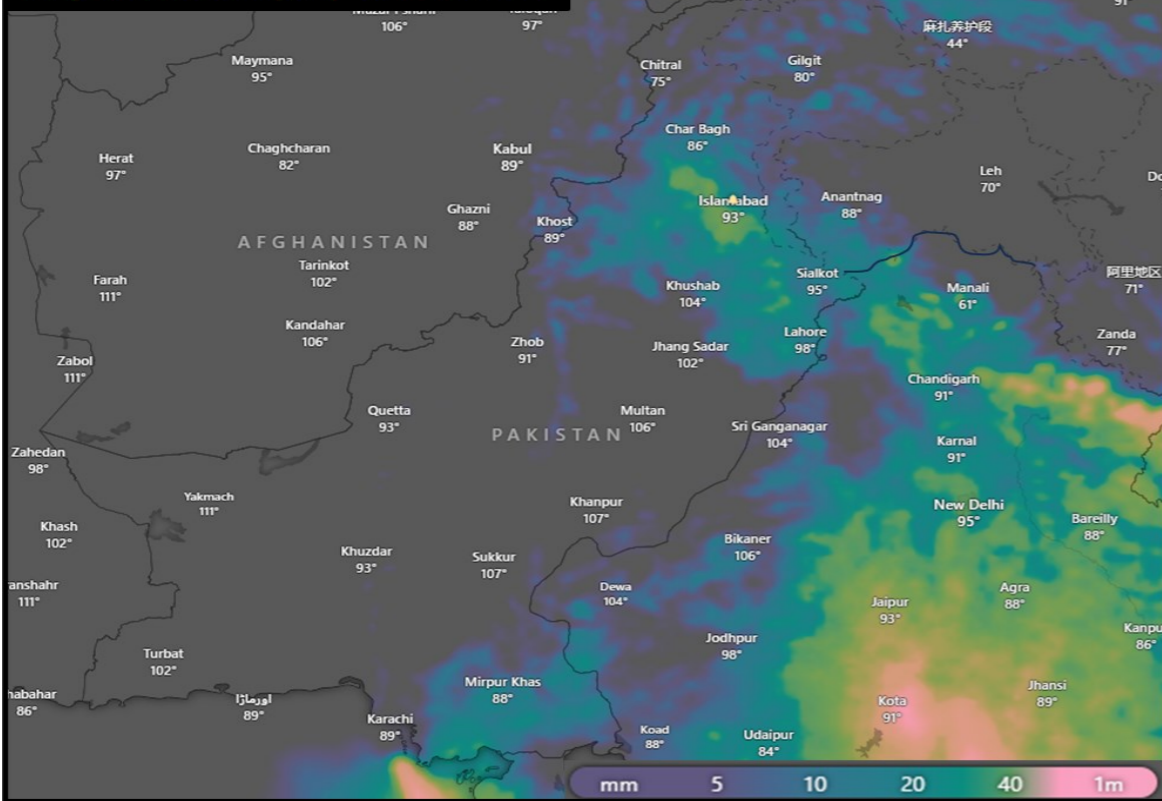


## Cumulative Deaths Categorization



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

## Projected Rainfall (mm) Next 48 Hours



## Forecasted Impact Next 24-48 Hours

- Balochistan.** **Mainly hot and humid weather** expected in most districts. **Rain-wind / thundershowers** expected in Khuzdar, Kalat, Lasbela, Awaran, Ziarat, Zhob, Barkhan, Musakhel, Shirani, Kohlu, Harnai, Naseerabad and Jaffarabad from **up to 24th July with occasional gaps.**
- Khyber Pakhtunkhwa.** **Rain-wind / thundershowers with few heavy falls** expected in Dir, Chitral, Swat, Kohistan, Malakand, Bajaur, Shangla, Battagram, Buner, Kohat, Bajaur, Mohmand, Khyber, Mansehra, Abbottabad, Galiyat, Haripur, Peshawar, Swabi, Nowshera, Mardan, Charsadda, Hangu, Kurram, Orakzai, Waziristan, Bannu, Lakki Marwat and Dera Ismail Khan from **up to 24th July with occasional gaps.**
- Punjab.** **Rain-wind / thundershowers with few heavy falls** are expected in Rawalpindi, Murree, Attock, Chakwal, Tala Gang, Jhelum, Mandi Bahauddin, Gujrat, Gujranwala, Hafizabad, Wazirabad, Lahore, Sheikhupura, Sialkot, Narowal, Sahiwal, Jhang, Toba Tek Singh, Nankana Sahib, Chiniot, Faisalabad, Okara, Pakpattan, Kasur, Khushab, Sargodha, Bhakkar and Mianwali from **up to 25th July with occasional gaps.** **Rain-wind / thundershowers** also expected in Bahawalpur, Bahawalnagar, Dera Ghazi Khan, Multan, Khanewal, Lodhran, Muzaffargarh, Kot Addu, Rajanpur, Rahim Yar Khan and Layyah from **up to 24th July.**
- Sindh.** **Mainly hot and very humid weather** expected. **Rain-wind / thundershowers** expected in Sanghar, Umarmkot, Tharparkar, Mirpurkhas, Sukkur, Larkana and Dadu from **up to 24th July with occasional gaps.**
- Islamabad Capital Territory.** **Rain-wind / thundershower with few heavy falls** expected **up to 25th July with occasional gaps.**
- Gilgit Baltistan.** **Mainly partly cloudy to cloudy weather** conditions expected. However, **rainfall** also expected in Diamer, Astore, Skardu, Gilgit, Ghanche, Shigar from **up to 27th July with occasional gaps.**
- AJ&K.** **Rain-wind / thundershowers with few heavy falls** expected in Neelum Valley, Muzaffarabad, Rawalakot, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber, Mirpur **up to 27th 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

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

Pakistan Reservoirs Data (23 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)	1,515.60	1,197.60
Change Last 24 hrs (Feet)	-0.36	+0.40
Storage (MAF)	Max	5.809
	Present	3.909
Change Last 24 hrs	-0.018	+0.024
% Dam Filled	68.00	56.42
% Change Last 24 hrs	-1.00	+0.34

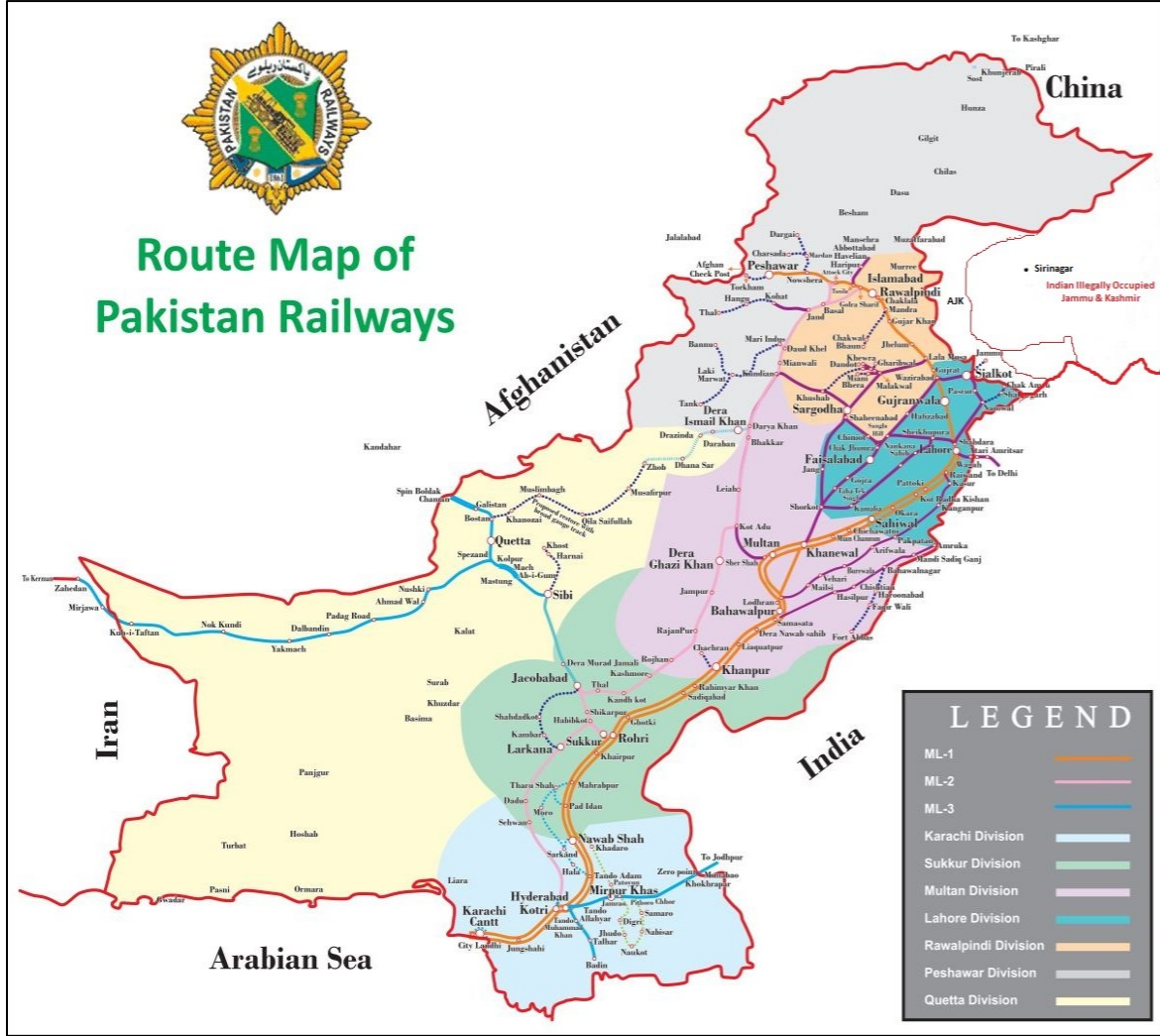
Data Source: WAPDA

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
	Present	1.861	1.132
Change	+0.15	-0.062	-0.123
% Dam Filled	37	23	24
% Change	0	-1	-7
2023 Position (%)	64	75	85

Data Source: PCIW

FFD Discharge Report				
Recorded at: 23-Jul-2024 12:00 PST				
River	Site	Inflow	Outflow	
Indus	Tarbela	187,000	150,600	NORMAL
	Kalabagh	223,896	215,896	NORMAL
	Chashma	247,976	234,970	NORMAL
	Taunsa	219,909	195,409	NORMAL
	Guddu	176,296	139,263	NORMAL
Kabul	Sukkur	128,010	77,200	NORMAL
	Kotri	69,361	30,076	NORMAL
	Nowshera	46,900	46,900	NORMAL
Jhelum	Mangla	35,000	15,000	NORMAL
	Rasul	11,816	0	NORMAL
Chenab	Marala	65,827	38,277	NORMAL
	Khanki	54,525	46,800	NORMAL
	Q. Abad	44,441	26,441	NORMAL
	Trimmu	26,855	10,105	NORMAL
Ravi	Panjnad	13,880	0	NORMAL
	Jassar	13,810	13,810	NORMAL
	Shahdara	20,626	20,626	NORMAL
Sutlej	Balloki	37,665	9,265	NORMAL
	Sidhnai	15,000	0	NORMAL
	GS Wala	1,014	1,014	NORMAL
	Sulemanki	15,017	3,002	NORMAL
	Islam	2,926	826	NORMAL

## National Railway, Highways / Motorways Network Status



National Railway Network is Fully Open

National Highway & Motorway Network is Fully Open