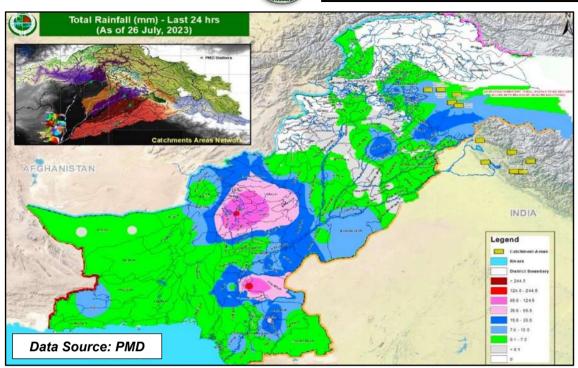


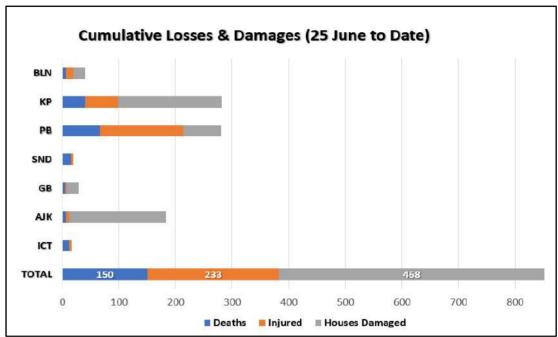
## NDMA - MONSOON SEASON 2023 UPDATE NO. 37 (26 JULY - 1430 hrs)

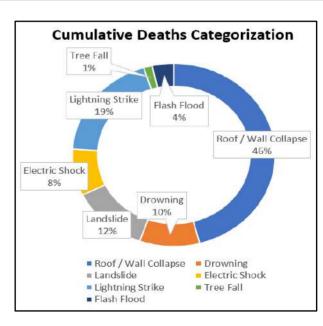




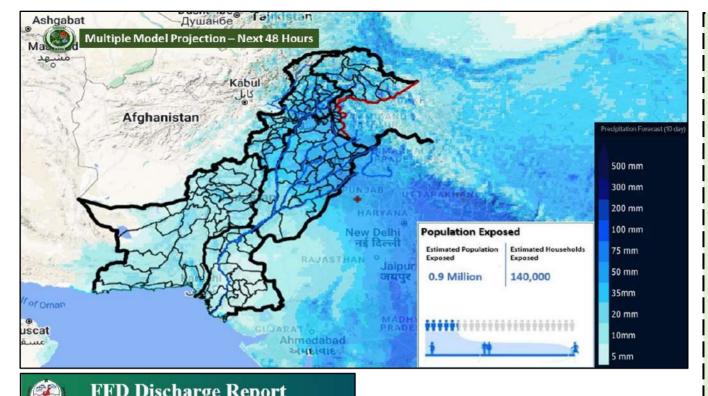
## TOP RAINFALL RECORDED LAST 24 HOURS (MM)

- <u>Balochistan</u>. Sibbi 127, Barkhan 66, Turbat 12, Kalat 8, Panjgur 7, Loralai 5, Lasbela 4, Gwadar 3, Khuzdar 1, Pasni 1.
- KP. Kakul 19, Ghalanai 9, Dir 4, Cherat 2.
- <u>Punjab</u>. Sialkot 41, Rajanpur 36, RY Khan 30, Gujrat 26, Sargodha 18, Bahawalpur 16, Layyah 11, DG Khan 4, Kasur 4, Kot Addu 3, Murree 2, Faisalabad 1, Khanpur 1, Multan 1, Okara 1.
- <u>Sindh</u>. Padidan 164, Mirpurkhas 39, Karachi 23, Shaheed Benazirabad 20, Rohri 19, Hyderabad 17, Mohenjo-Daro 16, Sukkur 13, Thatta 11, Badin 4, Tando Jam 4, Sakrand 3, Chhor 3, Khairpur 2.
- **GB**. Astore 1.
- AJK. Rawalakot 19, Garhi Dupatta 14, Chattar Kalas 8, Muzaffarabad 6, Dhulli 3, Haraman 2, Bandi Abbaspur 1.
- ICT. Nil.





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



Division	0:4-	luff and		0	
River	Site	Inflow		Outflow	
Indus	Tarbela	295,000	~	273,900	LOW
	Kalabagh	353,342	~	345,542	LOW
	Chashma	396,619	~	392,619	MEDIUM
	Taunsa	372,086	-	372,086	LOW
	Guddu	318,745	~	318,745	LOW
	Sukkur	223,300	M	218,250	LOW
	Kotri	74,712	M	47,577	NORMA
Kabul	Nowshera	69,700	W	69,700	LOW
Ihelum	Mangla	70,000	~	10,000	NORMA
	Rasul	7,891	~	5,341	NORMA
	Marala 101,084 🛰	w	84,084	NORMA	
Chenab	Khanki	85,619	M	78,539	NORMA
	Q.Abad	76,821	1	66,821	NORMA
	Trimmu	125,186	-	116,786	NORMA
	Panjnad	87,300	~	80,100	NORMA
	Jassar	37,010	) v <sub>3</sub>	37,010	NORMA
Ravi	Shahdara	30,692	M	30,692	NORMA
	Balloki	62,415	~	38,415	NORMA
	Sidhnai	32,765	~	22,415	NORMA
Sutlej	GS Wala	73,300	S	73,300	LOW
	Sulemanki	84,430	-	84,430	MEDIUN
	Islam	38.384	<b>→</b>	37.984	NORM

RESERVOIR LEVELS							
Da	ms	Tarbela	Mangla				
MCL (Feet	:)	1550.0	1242.0				
MOL (Feet	t)	1402.0	1050.0				
Water Lev	el (Feet)	1531.00	1220.25				
Live	Max.	5.809	7.356				
Storage	Present	4.739	5.699				
<b>% F</b> i	illed	81.58	77.47				

## **FORECASTED IMPACT NEXT 48-72 HOURS**

- Flash Flooding of Moderate to Heavy intensity is expected in the Nullahs of Balochistan (Loralai, Kalat, Sibbi, Makran, Naseerabad Divisions) and Hill Torrents of D.G Khan Division during next 24-hours. Flash Flooding is also expected in the Tributaries of River Kabul.
- Rain-Wind-Thundershowers with few heavy falls
  - Balochistan (Kalat, Khuzdar, Lasbela, Awaran, Kech, Gwadar, Panjgur, Kharan, Nushki, Washuk, Mastung, Sibbi, Naseerabad, Zhob, Sherani, Barkhan, Musakhel, Kohlu, Jhal Magsi, Loralai, Ziarat, Quetta, Chaman, Pishin, Qila, Abdullah and Qila Saifullah).
  - o Punjab (DG Khan, Rajanpur, Multan, Khanewal, Bhakkar, Layyah, Kot Addu, Bahawalpur and RY Khan).
  - Sindh (Tharparkar, Umerkot, Mirpurkhas, Sukkur, Larkana, Jacobabad, Dadu, Shaheed Benazirabad, Hyderabad, Sanghar, Badin, Thatta and Karachi).
- Rain-Wind-Thundershowers with isolated heavy falls
  - 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, Sahiwal, Bahawalnagar and Okara).
  - Gilgit Baltistan (Diamer, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar).
  - o State of AJ&K (Neelum, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber and Mirpur).
  - o 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, 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 flows and flash flooding.
- PDMA Balochistan & Punjab to ensure early warning, prompt evacuation and response in vulnerable lowlying areas adjacent to nullahs / hill torrents (in areas indicted above).
- **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.