



**Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Advisor/  
Chairman, Federal Flood Commission**

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**FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
SUNDAY, JULY 17, 2022**

At present, all major rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing in "Normal Flow Conditions". Inflows/outflows of main rivers alongwith storage position of Tarbela, Chashma & Mangla reservoirs at 0600 hours today besides, Skardu Temperature may be seen at **Annexure-I**. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Chashma & Mangla) is **4.404 MAF** i.e. **32.72 %** of total existing Live Storage Capacity of **13.461 MAF**.

2. Yesterday's **trough of Westerly Wave** over Kashmir and adjoining areas has moved away Eastwards, whereas **Monsoon Low** continues to prevail over central parts of Orissa (India). **Well Marked Low-Pressure Area**, earlier over Northeastern Arabian Sea has moved West-Northwestwards and today lies over 250 Km South-Southeast of Karachi in Arabian Sea. Moderate to Strong moist currents from Arabian Sea & Bay of Bengal are penetrating into lower half of Pakistan upto 10,000 feet. Light to Moderate currents from Bay of Bengal are also penetrating into upper half of Pakistan up to 5,000 feet with Seasonal Low lies over Northwest Balochistan (Source: FFD, Lahore).

3. For the ensuing 24 hours, FFD Lahore has predicted scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** over **Sindh, Balochistan and Bahawalpur & D.G. Khan Divisions of Punjab**. Isolated thunderstorm/rain of **Moderate Intensity** may also occur over **Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal & Multan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers of Indus River System during the same period. As a consequence, **Low to Medium Category Flooding** is expected in the Hill Torrents of **D.G. Khan Division (Punjab)** and Flash flooding in the Rivers/Nullahs of **Balochistan**, besides **Urban Flooding in Sindh** (between **17<sup>th</sup> to 18<sup>th</sup> July 2022**). Significant rainfall events reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. Wet spell is likely to continue over **Sindh & Balochistan**, besides subdued rainfall activity over the upper half of Pakistan during the next 48 hours.

5. All concerned authorities are advised to remain **VIGILANT** and **ALERT**, constantly monitor the weather and flood situation (in particular urban) and ensure fool proof precautionary measures so that loss of precious human lives and damage to public & private properties is avoided.

6. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis. All concerned are being kept fully abreast of the situation by FFD, Lahore.

  
( Ahmed Kamal )  
Chief Engineering Advisor/  
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Tel: 051-9244604

**Distribution:**

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2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.
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  38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
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  41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
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  44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
  45. Managing Director, WASA, Rawalpindi.
  46. Principal Information Officer, Press Information Department, Islamabad.
  47. Director (News), Associated Press of Pakistan, Islamabad.
  48. Director (News), Pakistan Television, Islamabad.
  49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
  50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
- U.O. No.FC-I (31)/2022, Dated 17-07-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad.

## Rivers and Reservoir Positions July 17, 2022 at 0600 Hours

### A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date*		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	177,000	153,000	178,000	124,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	189,000	182,000	130,000	123,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	214,000	203,000	222,000	210,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	186,000	162,000	231,000	212,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	131,000	90,000	198,000	170,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	80,000	34,000	168,000	139,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	25,000	NIL	33,000	17,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				33,000		29,000	Normal	200,000
• Nowshera		450,000	29-07-2010		47,000		57,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		18,000		11,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		11,000		13,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		8,000		13,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	40,000	8,000	23,000	15,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	2,000	NIL	12,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	59,000	26,000	64,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	23,000	15,000	57,000	50,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	18,000	NIL	59,000	37,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	53,000	36,000	43,000	27,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	39,000	32,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		5,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		26,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	11,000	38,000	14,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	20,000	3,000	16,000	6,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	22,000	18,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	2,000	1,000	Normal	175,000

### B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (Ft-AMSL)	Minimum Operating Level (Ft-AMSL)	Water Level ( Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1455.39	1458.82	1498.72	5.827	1.489	3.179	54.56 %
Chashma	649.00	638.15	646.70	648.20	647.20	0.278	0.237	0.194	69.78 %
Mangla	1242.00	1050.00	1225.95	1165.60	1128.70	7.356	2.457	1.031	14.01 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>4.183</b>	<b>4.404</b>	<b>32.72 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference ( + / - )
Maximum	34.1 °C	28.3 °C	- 5.8
Minimum	16.0 °C	13.2 °C	- 2.8

#### NOTES: "Mild" Categories

- Low Flood: River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas  
 Medium Flood: River partly inundating river islands/belas  
 High Flood: River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

#### "Danger" Categories

- Very High Flood (VHF): River flowing between high banks/bunds with encroachment on the freeboard  
 Exceptionally High Flood (EHF): Imminent danger of overtopping/breaching, or the high bank areas have become inundated

\* Flood Classification/ Historic Peak Floods: (applied on downstream discharge/Outflow)

(↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (↔) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Bahawalnagar	39
2.	GS Wala & Gujranwala	31 each
3.	Okara	25
4.	Kasur	24
5.	Khanewal	21
6.	Multan	[Mumtazabad=21, City=12, Chungi No. 9=10, Airport & Shuja Abad=08 each]
7.	Joharabad & Sahiwal	16 each
8.	Hafizabad	12
9.	Sialkot	09
10.	Sargodha	08
11.	Lahore	07
12.	Kot Addu	06
13.	Kamra	05
<b>B</b>	<b>Sindh</b>	
14.	Shaheed Benazirabad	17
15.	Padidan & Karachi	09 each
16.	Hyderabad	08
17.	Sakrand	07
18.	Thatta	06
<b>C</b>	<b>Balochistan</b>	
19.	Gawadar	09
20.	Loralai	07
<b>D</b>	<b>AJ&amp;K</b>	
21.	Chakothei	07

Source: FFD, Lahore (Phone No. 042 99200139)