



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

6-Attaturk Avenue, G-5/1, Islamabad  
Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
TUESDAY AUGUST, 02 2022**

River Indus at the reporting time today is flowing in “**Medium Flood**” at **Chashma** (upstream Taunsa). It is in “**Low Flood**” at **Kalabagh** and in **Taunsa-Guddu & Guddu-Sukkur** reaches. Also **River Kabul** is flowing in “**Low Flood**” at **Nowshera**. All other main rivers of Indus River System (Jhelum, Chenab, Ravi & Sutlej) are presently in Normal Flow Conditions. **Annexure-I** depicts main rivers inflows/ outflows at important control structures, reservoirs storage position and Skardu temperature. Today's Combined Live Storage of major reservoirs (Tarbela, Mangla & Chashma) is **6.845 MAF** (i.e. **50.85%** of the total value of **13.461 MAF**).

2. According to FFD, Lahore a fresh trough of Westerly Wave lies over Afghanistan while yesterday's trough of Westerly Wave over Kashmir and Adjoining areas has moved away in Eastward direction. Also yesterday's **Low-Pressure Area** over Northeastern Balochistan has now become insignificant for Pakistan with Seasonal Low lies over Northern Balochistan. The Arabian Sea's moist currents are temporarily cut-off.

3. For the ensuing 24 hours FFD, Lahore has predicted isolated thunderstorm/rain over **North & Northeastern Punjab, Khyber Pakhtunkhwa** and **Northeastern Balochistan** including upper catchments of all the main rivers of Indus River System. Few rainfall events have been reported by the FFD, Lahore for the past 24 hours which may be seen at **Annexure-II**.

4. All related organizations are advised to remain **Vigilant**, take timely actions on warnings issued by the concerned organizations to ensure safety of low lying area communities, public & private property besides irrigation, drainage & flood protection infrastructure etc.

5. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) and all concerned are being kept fully abreast of the situation through FFD, Lahore.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
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23. Chief Secretary, Government of Balochistan, Quetta.
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25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi.
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
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 02-08-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad

## Rivers and Reservoir Positions August 02, 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 <sup>n</sup>
		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	301,000	163,000	248,000	228,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	279,000	272,000	285,000	281,000	Low Flood (S)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	339,000	330,000	384,000	376,000	Med. Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	305,000	276,000	354,000	347,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	178,000	135,000	358,000	329,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	46,000	295,000	259,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	48,000	11,000	174,000	147,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				38,000		35,000	Normal	200,000
• Nowshera		450,000	29-07-2010		70,000		75,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		15,000		21,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		16,000		18,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		11,000		16,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	8,000	59,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	15,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	97,000	71,000	72,000	55,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	99,000	92,000	86,000	80,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	108,000	88,000	102,000	83,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	66,000	49,000	86,000	83,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	33,000	17,000	104,000	96,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		9,000		26,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	9,000	48,000	31,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	29,000	13,000	21,000	16,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	17,000	4,000	15,000	12,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	5,000	5,000	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	1476.33	1524.00	1532.00	5.827	4.447	4.816	82.65 %
Chashma	649.00	638.15	646.60	639.50	639.00	0.278	0.017	0.010	03.60 %
Mangla	1242.00	1050.00	1230.70	1192.20	1155.80	7.356	3.860	2.019	27.45 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>8.324</b>	<b>6.845</b>	<b>50.85 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	28.4 °C	21.0 °C	- 7.4 °C
Minimum	16.3 °C	14.1 °C	- 2.2 °C

#### 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 freeboards

#### "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)

( R ) Signifies "Rising" Flood, ( F ) Signifies "Falling" Flood, ( S ) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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

<b>Sr. No.</b>	<b>City/Observatory</b>	<b>Rainfall (mm)</b>
<b>A</b>	<b>Punjab</b>	
1.	Murree	47
2.	Gujranwala & Zafarwal	06 each
3.	Attock	05
<b>B</b>	<b>Khyber Pakhtunkhwa</b>	
4.	Tarbela	34
5.	Kakul	17
6.	Phulra	12
7.	Oghi & Cherat	11 each
<b>C</b>	<b>A J &amp; K</b>	
8.	Muzaffarabad	15
9.	Chakothe	13
10.	Garhi Dopatta	12
11.	Chattar Kallas	11
12.	Domel	07
<b>E</b>	<b>Gilgit-Baltistan</b>	
13.	Bagrote	06

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