



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](http://www.ffc.gov.pk)

FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
SATURDAY, AUGUST 10, 2024

At present River Indus is flowing in “Medium Flood” in Taunsa-Guddu reach. It is in “Low Flood” in Kalabagh-Chashma reach and at Sukkur Barrage while River Kabul is flowing in “Low Flood” at Nowshera. All other major rivers in the Indus River System i.e. Rivers Jhelum, Chenab, Ravi, and Sutlej are discharging normal flows. Annexure-I depicts detail regarding river inflows/outflows at key locations, current water levels and storage positions in major reservoirs. As of today, the combined live storage in the country's major reservoirs (Tarbela, Mangla, and Chashma) stands at 10.147 MAF (i.e. 75.98% of the maximum live storage capacity of 13.354 MAF).

2. According to the FFD, Lahore, yesterday's trough of Westerly Wave over Northeastern Iran today lies over Northern parts of Afghanistan and adjoining area. Yesterday's upper air cyclonic circulation over central Jharkhand (India) remained stationary. Active monsoon trough extends from upper air circulation at Jharkhand (India) to Northeastern Punjab. Moderate to strong moist currents are penetrating upper parts of the country from Arabian Sea and Bay of Bengal up to 5,000 feet. Seasonal Low lies over northeast Balochistan.

3. For the next 24 hours, FFD, Lahore has predicted scattered to widespread thunderstorm rain of Moderate to Heavy Intensity with Isolated Very Heavy Falls over the upper catchments of all the major rivers along with Islamabad. Scattered thunderstorm rain of Moderate Intensity with Isolated Heavy Falls is expected over Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur and D.G. Khan Divisions) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) alongwith isolated thunderstorm rain of moderate intensity over Balochistan (Zhub, Sibbi, Nasirabad & Kalat Divisions) during the same period.

4. Medium level flows are expected in River Chenab alongwith Nullahs in catchments of Rivers Chenab and Ravi during the period from 11<sup>th</sup> to 13<sup>th</sup> August 2024. Besides, Low to Medium level flows are also expected in the Hill Torrents of D.G. Khan Division and nullahs of Zhub, Sibi, Nasirabad & Kalat Divisions. Significant rainfall events reported during the past 24 hours may be seen at Annexure-II.

5. All Relevant Organizations are advised to remain Fully Alert and Vigilant and to take prompt action in response to warnings issued by the relevant authorities to ensure safety of the communities residing in low lying areas, as well as to protect public and private properties, irrigation & drainage network and flood protection structures.

6. Pakistan Meteorological Department (PMD), Islamabad, through its nation-wide specialized Flood Forecasting Unit (FFD Lahore), is monitoring the present weather system on round-the-clock basis and keeping all relevant organizations fully cognizant of the developing situation

(Ather Hameed)

Engineering Adviser (Civil)  
For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.

## **Distribution:**

3. Minister for Planning, Development & Special Initiatives, Islamabad
4. Minister for Climate Change & Environmental Coordination, Islamabad.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of Climate Change & Environmental Coordination, Islamabad.
9. Secretary, Ministry of National Food Security & Research, Islamabad.
10. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
11. Secretary, Senate Standing Committee on Water Resources, Parliament House, Islamabad.
12. Chairman, National Disaster Management Authority, Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chief Executive Officer, Pakistan Railways, Lahore.
15. Chairman, Indus River System Authority, Islamabad.
16. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
17. Chairman, National Highway Authority, Islamabad.
18. Director General, Pakistan Meteorological Department, Islamabad.
19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
21. Chief Secretary, Government of the Punjab, Lahore.
22. Chief Secretary, Government of Sindh, Karachi.
23. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
24. Chief Secretary, Government of Balochistan, Quetta.
25. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
26. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
27. Secretary, Irrigation Department, Government of the Punjab, Lahore.
28. Secretary, Irrigation Department, Government of Sindh, Karachi
29. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
30. Secretary, Irrigation Department, Government of Balochistan, Quetta.
31. Secretary, Irrigation and Water Management, Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of K.P, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
43. Chief Commissioner, ICT, Islamabad.
44. Chairman, Capital Development Authority, Islamabad.
45. Commissioner, Rawalpindi.
46. Managing Director, WASA, Rawalpindi.
47. Principal Information Officer, Press Information Department, Islamabad.
48. Director (News), Associated Press of Pakistan, Islamabad.
49. Director (News), Pakistan Television, Islamabad.
50. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
51. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

**U.O. No. FC-I (31)/2024, dated 10-08-2024**

**Rivers and Reservoir Positions  
August 10, 2024 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	217,000	251,000	259,000	158,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	191,000	183,000	338,000	330,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	277,000	261,000	376,000	363,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	252,000	235,000	436,000	430,000	Med Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	278,000	246,000	404,000	384,000	Med Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	244,000	189,000	313,000	283,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	254,000	215,000	156,000	116,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				28,000		38,000	Normal	200,000
• Nowshera					45,000		68,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge					12,000		8,000	Normal	150,000
• Munda (H. Works)					14,000		11,000	Normal	150,000
• Charsadda Road	150,000				14,000		13,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	36,000	10,000	23,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	8,000	5,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	78,000	49,000	69,000	52,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	51,000	43,000	71,000	63,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	43,000	33,000	68,000	50,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	66,000	58,000	59,000	44,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	70,000	54,000	49,000	37,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		11,000		8,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	15,000	47,000	18,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	37,000	21,000	25,000	10,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	58,000	45,000	18,000	5,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	55,000	53,000	6,000	4,000	Normal	175,000

**B. Reservoir Storage Position:**

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-AMSL)	Water Level ( Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1542.70	1549.00	1542.00	5.766	5.752	5.306	92.02 %
Chashma	649.00	638.15	648.50	644.00	639.00	0.311	0.100	0.012	3.86 %
Mangla	1242.00	1050.00	1165.85	1237.60	1208.85	7.277	7.007	4.829	66.36 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>12.859</b>	<b>10.147</b>	<b>75.98 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	32.6 °C	35.3 °C	+ 2.7 °C
Minimum	14.0 °C	16.3 °C	+ 2.3 °C

**NOTE-1: "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

**NOTE-2: "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

**NOTE-3: \* Flood Classification: (applied on downstream discharge/Outflow)**

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

\* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

**NOTE-4:** Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.

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

**SATURDAY, AUGUST 10, 2024**

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

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Islamabad	[Bokra=107, Saidpur=65, Golra=51 and PMD Headquarters=09]
2.	Rawalpindi	(Kacheri= 93, Chaklala= 30 and Shamsabad = 13)
3.	Lahore	[Shahdara=25, Shahi Qilla=18, Misri Shah, Luckshami & Mughal Pura=08(each) and Qurtba Chowk=07]
4.	Faisalabad	21
5.	Kallar	20
6.	Sahiwal	11
7.	Shorkot (Airbase)	05
<b>B</b>	<b>Sindh</b>	
8.	Mithi	07
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
9.	Shinkiari	12
10.	Balakot & Tarbela	10 each
<b>D</b>	<b>Balochistan</b>	
11.	Barkhan	05

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