



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

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY, AUGUST 24, 2023**

Presently, **River Sutlej** at **Suleimanki** is flowing in **High Flood** with falling trend while it is in **Medium Flood** at **Ganda Singh Wala and Islam Headworks**. Moreover, **River Indus** at **Tarbela** and **Guddu** is flowing in **Low Flood** with rising trend. All other rivers of (i.e. Rivers Jhelum, Chenab, Ravi and Kabul) are discharging normal flows (refer **Annexure-I**).

2. At present, **Mangla reservoir** is at **1241.85 feet** against **Maximum Conservation Level (MCL)** of **1242.00 feet** whereas **Tarbela reservoir** is at **1549.32 feet** against **MCL** of **1550.00 feet**. Dam Management Authorities at **Tarbela** and **Mangla** including **Flood Mitigation Committee (FMC)** of **Mangla Dam** are advised to exercise extreme care in reservoir operation in line with the **SOPs** approved for routing of flood peaks and dam safety guidelines.

3. According to **FFD, Lahore**, yesterday's trough of **Westerly Wave** continues to persist over **Northeastern Afghanistan** and adjoining areas. **Marked Seasonal Low** also persists over **Northeastern Balochistan** and its trough is extending towards **Northeast** direction. As a result, moderate to **strong Moist Currents** from **Arabian Sea** are penetrating into upper parts of the country up to **4,000 feet**.

4. For the ensuing 24 hours, **FFD, Lahore** has predicted **Scattered to Widespread Wind Thunderstorm/ Rain** of **Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including upper catchments of all the major rivers of the **Indus River System (IRS)**. For the same period, **Isolated Wind Thunderstorm/ Rain** may also occur over **D.I. Khan Division** of **Khyber Pakhtunkhwa & D.G. Khan Division** of **Punjab**.

5. Some noticeable rainfall events, observed during the past 24 hours, may be seen at **Annexure-II**.

6. **Forecast: Extended Period upto August 28, 2023**

According to **FFD, Lahore**, **Moderate Monsoon Activity** with **Isolated Heavy Falls** may continue over the upper catchments of all the major rivers of **IRS** up to **28th August 2023**.

7. In view of **High Flood Situation** in **River Sutlej** at **Head Suleimanki**, all concerned organizations especially **Punjab Irrigation Department** and **PDMA Punjab** are advised to remain on **HIGH ALERT** and ensure fool proof measures as per their **Contingency/ Flood Fighting Plans** for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

8. **Pakistan Meteorological Department (PMD)** is monitoring of prevailing weather conditions on **Round-the-Clock** basis through **FFD, Lahore** and keeping all concerned organizations fully cognizant of the situation.

(**Ahmed Kamal**)
Chief Engineering Adviser/
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.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad
7. Secretary, Ministry of Climate Change, Islamabad.

Distribution:

8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
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.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
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)/2023, dated 24-08-2023

Rivers and Reservoir Positions August 24, 2023 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	213,000	199,000	253,000	256,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	271,000	266,000	236,000	228,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	382,000	364,000	261,000	240,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	445,000	445,000	213,000	191,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	547,000	547,000	260,000	229,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	560,000	560,000	210,000	156,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	271,000	271,000	154,000	113,000	Normal	650,000
River Kabul									
• Warsak	540,000				46,000		28,000	Normal	200,000
• Nowshera					71,000		38,000	Normal	200,000
River Swat									
• Chakdara Bridge					14,000		9,000	Normal	150,000
• Munda(H. Works)					12,000		8,000	Normal	150,000
• Charsadda Road	150,000				13,000		8,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	40,000	9,000	26,000	26,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	23,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	60,000	33,000	77,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	48,000	41,000	50,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	45,000	25,000	49,000	39,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	88,000	74,000	63,000	54,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	101,000	94,000	81,000	65,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		10,000		25,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		33,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	43,000	16,000	34,000	26,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	16,000	5,000	35,000	17,000	Normal	90,000
River Sutlej									
• G.S. Wala									
• Suleimanki	325,000	598,872	08-10-1955	16,000	4,000	137,000	115,046	Med Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	5,000	4,000	94,000	137,000	High Flood (F)	175,000
							93,000	Med Flood (R)	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1544.15	1550.00	1548.92	5.809	5.827	5.747	98.93 %
Chashma	649.00	638.15	645.30	642.00	648.60	0.278	0.058	0.258	92.81 %
Mangla	1242.00	1050.00	1201.35	1178.45	1241.85	7.356	3.094	7.344	99.84 %
Total Live Storage						13.443	8.979	13.349	99.30 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	26.5 °C	33.6 °C	7.1 °C
Minimum	14.1 °C	17.3 °C	3.2 °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 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:** (applied on downstream discharge/Outflow)

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

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

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A. Punjab		
1.	Islamabad	(Saidpur & Shamsabad=37(each), Golra=23, Chaklala (Airbase)=22, Zeropoint=17, New Airport=16)
2.	Mangla	29
3.	Kamra (Airbase)	20
B. Khyber Pakhtunkhwa		
4.	Phulra	40
5.	Tarbela	24
6.	Saidu Sharif	18
7.	Besham	13
8.	Daggar	11
9.	Dir	10
10.	Lower Dir, Buner, Shinkiari, Kakul & Mamad Gut	08 each
C. A J & K		
11.	Barnala	33
12.	Kotli	32
13.	Chattar Kallas	23
14.	Palandri	20
15.	Balakot	16
16.	Dhulli	11
17.	Domel	10
18.	Ghari Dopatta	09
19.	Muzaffarabad	(Airport=08 & City=07)
20.	Pattan	06
21.	Kallar & Bandi Abbaspur	08 each
22.	Haraman	07
D. Gilgit Baltistan		
23.	Bagrote	11

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