



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

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Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY, SEPTEMBER 04, 2023**

Flood flows in **River Sutlej** have almost receded and at present it is flowing in **Low Flood** (with falling trend) at its last control structure (**Islam Headwork**). Rest of rivers of Indus River System (IRS) are discharging Normal Flows. Inflows/ outflows of major rivers at specified control structures, storage position of country's major reservoirs and Skardu Temperature may be seen at **Annexure-I**.

2. Owing to judicious releases by the Dam Management Authorities, both **Tarbela** and **Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550 feet** and **1242 feet** since **28th** and **29th August 2023** respectively.

3. Prevailing meteorological conditions over Pakistan indicate that yesterday's **Low-Pressure Area** over North Bay of Bengal (India) has remained stationary with Westerly Wave trough continues to persist over Northeastern Afghanistan. As regards Arabian Sea Seasonal Low, presently it is over Northern Balochistan and is resulting into mild moist currents which are penetrating into central and upper parts of Pakistan up to 4000 feet.

4. Under the influence of prevailing meteorological conditions, for the ensuing 24 hours, FFD, Lahore has predicted as under:

- **Scattered Wind Thunderstorm/Rain** of **Moderate Intensity** over upper catchments of rivers Indus & Kabul.
- **Scattered Wind Thunderstorm/Rain** of **Light to Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej.
- **Isolated Wind Thunderstorm/Rain** over **Lahore Division of Punjab**.

5. No noticeable rainfall events have been experienced during the past 24 hours over Pakistan.

6. All concerned including **Tarbela & Mangla Dam Management Authorities, Punjab Irrigation Department** and **PDMA Punjab** are advised to remain on **Alert** and exercise necessary measures as per their respective SOPs, in case of any emergency.

7. Pakistan Meteorological Department through FFD, Lahore continues to monitor the prevailing weather conditions over Pakistan and is keeping all concerned organizations fully abreast of the situation.

(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.

Distribution:

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.
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 04-09-2023

Rivers and Reservoir Positions September 04, 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	175,000	155,000	144,000	124,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	182,000	174,000	153,000	145,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	236,000	218,000	137,000	120,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	205,000	199,000	106,000	87,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	485,000	485,000	166,000	133,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	545,000	545,000	197,000	143,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	585,000	572,000	159,000	118,000	Normal	650,000
River Kabul									
• Warsak	540,000				26,000		19,000	Normal	200,000
• Nowshera					56,000		24,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		6,000	Normal	150,000
• Munda(H. Works)					14,000		4,000	Normal	150,000
• Charsadda Road	150,000				14,000		4,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	25,000	8,000	13,000	13,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	13,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	48,000	17,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	36,000	28,000	19,000	11,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	28,000	8,000	25,000	5,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	32,000	16,000	25,000	10,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	27,000	14,000	82,000	65,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		7,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	7,000	36,000	13,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	20,000	3,000	23,000	6,000	Normal	90,000
River Sutlej									
• G.S. Wala							23,989	Normal	
• Suleimanki	325,000	598,872	08-10-1955	17,000	5,000	38,000	24,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	6,000	5,000	62,000	60,000	Low Flood (F)	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	1544.00	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	643.40	648.60	648.50	0.278	0.258	0.253	91.01 %
Mangla	1242.00	1050.00	1195.80	1188.55	1242.00	7.356	3.648	7.356	100 %
Total Live Storage						13.443	9.733	13.418	99.81 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	31.4 °C	20.7 °C	- 10.7 °C
Minimum	12.0 °C	9.3 °C	- 2.7 °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.