



**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
SATURDAY, SEPTEMBER 14, 2024**

All major rivers of the Indus River System (the Indus, Jhelum, Chenab, Ravi and Sutlej) exhibit normal flows, hence there is no flood situation in any part of the country. For detailed information on the discharge of these rivers at designated control structures, as well as the current storage levels of the country's major reservoirs and the temperature in Skardu, **Annexure-I** is referred.

2. Water level at Tarbela Reservoir which had maintained its Maximum Conservation Level (MCL) of **1550.00 feet** for 25 days (i.e. from **19th August to 12th September 2024**) has now been reduced to **1548.02 feet**. This decline is due to reduced inflows and increase in outflow to meet irrigation requirements. Meanwhile, the water level at Mangla Reservoir is stable at **1228.50 feet** which is **13.50 feet** below its MCL of **1242 feet**. The combined live storage of the country's major reservoirs (Tarbela, Chashma, and Mangla) stands at **12.069 MAF**, which is **90.38 %** of the total available live storage capacity of **13.354 MAF**.

3. According to the FFD, Lahore, Yesterday's trough of Westerly Wave over Northeastern Afghanistan today lies over Northern parts of Pakistan. Moderate moist currents from the Arabian Sea are penetrating the upper half of Pakistan up to 5000 feet. Seasonal Low lies over Northeastern Balochistan. A fresh depression has developed over western Bangladesh and adjoining West Bengal.

4. For the ensuing 24 hours, FFD Lahore, has predicted scattered thunderstorm rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala & D.G Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu, D.I Khan & Zhob Divisions)** including the upper catchments of rivers Indus, Kabul and Jhelum. **Isolated Thunderstorm rain** is also expected over **Lahore and Multan Divisions** alongwith the upper catchments of rivers Chenab, Ravi and Sutlej.

5. As per FFD Lahore, Monsoon activity and Wet spell are likely to decrease significantly from **15th September 2024**. The Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

6. Pakistan Meteorological Department (PMD), Islamabad through FFD Lahore is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.

(Mr. Ather Hameed)
Engineering Advisor (Civil)
For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.
3. Minister for Planning, Development & Special Initiatives, Islamabad.
4. Minister for Climate Change & Environmental Coordination, Islamabad.

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5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
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7. Secretary, Ministry of Planning, Development & Special Initiatives, Islamabad
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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. Chairman, Indus River System Authority, Islamabad.
15. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
16. Chief Executive Officer, Pakistan Railways, Lahore.
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, Government of Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Govt. of Khyber Pakhtunkhwa, 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 KP, 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 14-09-2024

Rivers and Reservoir Positions September 14, 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	124,000	115,000	108,000	150,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	130,000	122,000	147,000	140,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	155,000	150,000	160,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	141,000	122,000	142,000	115,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	135,000	103,000	147,000	122,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	47,000	115,000	71,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	42,000	1,000	152,000	152,000	Normal	650,000
River Kabul									
• Warsak	540,000				16,000		16,000	Normal	200,000
• Nowshera					22,000		24,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		5,000	Normal	150,000
• Munda (H. Works)					2,000		16,000	Normal	150,000
• Charsadda Road	150,000				2,000		18,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	13,000	37,000	31,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	36,000	16,000	18,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	69,000	38,000	28,000	5,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	47,000	38,000	15,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	45,000	23,000	24,000	12,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	21,000	5,000	25,000	11,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	34,000	17,000	47,000	33,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	11,000	34,000	14,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	22,000	4,000	22,000	7,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	19,000	4,000	14,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	4,000	1,000	4,000	2,000	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FI-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	1550.00	1545.04	1548.02	5.766	5.524	5.652	98.02 %
Chashma	649.00	638.15	648.60	644.80	646.40	0.311	0.120	0.189	60.77 %
Mangla	1242.00	1050.00	1192.80	1236.70	1228.50	7.277	6.937	6.228	85.58 %
Total Live Storage						13.354	12.581	12.069	90.38 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	31.6 °C	29.4 °C	- 2.2 °C
Minimum	12.2 °C	13.4 °C	+ 1.2 °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 & 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.

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Significant Rainfall Events reported during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Islamabad	38
2.	Kallar	25
3.	Mangla	24
4.	Attock	18
5.	Kamra	11
6.	Murree	06
7.	Chakwal & Gujrat	05 each
C	Khyber Pakhtunkhwa	
8.	Takht Bai	23
9.	Mardan	17
10.	Bosak Bridge & Tarbela	14 each
11.	Saidu Sharif	11
12.	Kakul Malam Jabba Kalam & Kohat Airbase	08 each
13.	Mirkhani & Dir	07 each
14.	Landi Kotal	06
15.	Oghi & Domel	05 each
F	AJ&K	
16.	Garhi Dopatta	40
17.	Balakot	06
18.	Muzaffarabad	05

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