



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
THURSDAY, SEPTEMBER 12, 2024

Presently, there is no **Flood Situation** in the country, as all major rivers in the Indus River System (Indus, Jhelum, Chenab, Ravi, and Sutlej) are discharging normal flows. For detailed information on river inflows and outflows at specific control structures, the current storage position of the country's major reservoirs, and the temperature in Skardu as of 0600 hours today **Annexure-I** is referred.

2. The Tarbela Reservoir has maintained its Maximum Conservation Level (MCL) of **1550.00 feet** since **August 19, 2024**. Meanwhile, the water level in the Mangla Reservoir continues to rise, reaching an elevation of **1228.50 feet** today, 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 **12.243 MAF**, which is **91.68%** of the total available live storage capacity of **13.354 MAF**. The management of Tarbela Dam is consistently monitoring reservoir operations in accordance with approved SOPs and Dam Safety Guidelines.

3. According to the FFD, Lahore, yesterday's **Depression** over east Madhya Pradesh (India) has moved northwestward and today lies over south Uttar Pradesh (India) and has become insignificant for Pakistan. Trough of weak Westerly Wave earlier over northern parts of Pakistan has moved away in eastward direction whereas a fresh trough of Westerly Wave lies over northern parts of Afghanistan. Seasonal Low (weak) lies over Balochistan. Moist currents from both Arabian Sea and Bay of Bengal are presently cut off.

4. Mainly dry weather has been predicted by FFD, Lahore for the next 24 hours over most part of the country along with upper catchment of all major rivers of IRS. Nonetheless, **scattered thunderstorm rain** is expected over the upper catchments of river Sutlej during the same period. No significant rainfall activity has been reported during the past 24 hours except 59 mm for Shorkot (Punjab).

5. For the ensuing 48 hours, scattered thunderstorm rain of **Moderate Intensity** is likely to occur over Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala & DG Khan Divisions) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & DI Khan Divisions) including upper catchments of rivers Kabul, Indus, Jhelum & Sutlej besides, isolated thunderstorm rain over Lahore Division (Punjab) and upper catchments of rivers Chenab and Ravi. For the extended period (from 13th September to 19th September 2024), trough of Westerly Wave is likely to affect moderately the upper catchments of rivers Kabul, Indus & Jhelum during the period from 13th September to 15th September 2024 (**Source: FFD, Lahore**).

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.

(Zafar Iqbal)

Superintending Engineer (Floods)
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 KP, 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 12-09-2024



**Rivers and Reservoir Positions
September 12, 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*	
I	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	113,000	133,000	103,000	104,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	153,000	145,000	118,000	112,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	155,000	150,000	169,000	157,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	142,000	118,000	122,000	96,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	145,000	115,000	168,000	143,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	110,000	55,000	136,000	100,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	66,000	62,000	173,000	165,000	Normal	650,000
River Kabul									
• Warsak	540,000				15,000		17,000	Normal	200,000
• Nowshera					23,000		28,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Munda (H. Works)					2,000		2,000	Normal	150,000
• Charsadda Road	150,000				2,000		3,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	15,000	36,000	24,000	20,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	35,000	16,000	17,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	39,000	12,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	18,000	9,000	15,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	25,000	3,000	25,000	13,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	19,000	3,000	31,000	20,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	37,000	20,000	58,000	46,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		25,000		16,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	11,000	37,000	10,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	21,000	4,000	23,000	8,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	1,000	16,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	4,000	2,000	7,000	5,000	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FI-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	1545.62	1550.00	5.766	5.557	5.766	100 %
Chashma	649.00	638.15	648.60	644.30	647.80	0.311	0.108	0.249	80.06 %
Mangla	1242.00	1050.00	1192.30	1238.30	1228.50	7.277	7.061	6.228	85.58 %
Total Live Storage						13.354	12.726	12.243	91.68 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	32.7 °C	26.6 °C	- 6.1 °C
Minimum	9.3 °C	13.2 °C	+ 3.9 °C

NOTE-1: "Mild" Categories

Low Flood:

Medium Flood:

High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas

River partly inundating river islands/belas

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):

Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard

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.