



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
SUNDAY, SEPTEMBER 29, 2024

All the major rivers in the Indus River System are discharging normal flows and there is no flood situation in the country. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla), as of today, is **10.615 MAF** which is **79.49 %** of the total available live storage capacity of **13.354 MAF**. **Annexure-I** may be referred for detailed information on the discharge of these rivers at the specified control structures, the current storage levels of the main reservoirs and the temperature in Skardu.

2. According to the FFD Lahore, yesterday's trough of Westerly Wave over Northern parts of the country has moved away Eastwards whereas Seasonal Low still lies over Northeastern Balochistan. With regards to other weather system, light moist currents are penetrating into the lower half of the country from Arabian Sea upto 3,000 feet.

3. For the next 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of **Light Intensity** over the **upper catchments of Rivers Kabul & Indus** alongwith **Punjab (Sargodha Division), Southeastern Sindh, Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu, & D.I. Khan Divisions) and Balochistan (Kalat Division)**. Mainly dry weather is expected over the rest of the country during the same period.

4. Details of Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

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

(Hussain Shigri)

Superintending Engineer (Floods-II)
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.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Ministry of Planning, Development & Special Initiatives, 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.

Distribution:

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, 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 29-09-2024

Rivers and Reservoir Positions September 29, 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	54,000	77,000	103,000	72,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	93,000	85,000	100,000	93,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	124,000	120,000	112,000	106,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	109,000	88,000	102,000	85,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	127,000	100,000	103,000	82,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	50,000	76,000	33,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	38,000	NIL	49,000	20,000	Normal	650,000
River Kabul									
• Warsak	540,000				8,000		12,000	Normal	200,000
• Nowshera					19,000		22,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		4,000	Normal	150,000
• Munda(H. Works)					2,000		3,000	Normal	150,000
• Charsadda Road	150,000				1,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	15,000	32,000	11,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	29,000	8,000	40,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	19,000	4,000	34,000	6,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	9,000	2,000	17,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	19,000	1,000	22,000	2,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	10,000	26,000	10,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	37,000	20,000	16,000	1,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		7,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	6,000	33,000	6,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	22,000	4,000	18,000	1,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	21,000	7,000	13,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	10,000	9,000	2,000	NIL	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	1550.00	1542.82	1537.39	5.766	5.396	5.048	87.55 %
Chashma	649.00	638.15	647.30	645.50	646.30	0.311	0.130	0.185	59.49 %
Mangla	1242.00	1050.00	1190.05	1227.30	1216.85	7.277	6.218	5.382	73.96 %
Total Live Storage						13.354	11.744	10.615	79.49 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	23.2 °C	23.6 °C	+ 0.4 °C
Minimum	8.3 °C	8.0 °C	- 0.3 °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 & 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 during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Mangla	22
2.	Gujranwala & Okara	21 each
3.	Sargodha	07
4.	Sialkot, Sahiwal & Narowal	06 each
5.	Hafizabad	05
B	Khyber Pakhtunkhwa	
6.	Pattan	12

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