



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SATURDAY, SEPTEMBER 28, 2024

There is no flood situation in the country, as all the major rivers in the Indus River System are discharging normal flows. The combined live storage of the major reservoirs (Tarbela, Chashma and Mangla) stands at **10.593 MAF**, which is approximately **79.32%** of the maximum live storage capacity of **13.354 MAF**. For detailed information on river discharge data at specified control structures, water levels, reservoir storage, and temperature data from Skardu, **Annexure I** is referred.

2. According to the FFD Lahore, a trough of Westerly Wave continues to prevail over northern parts of Pakistan whereas Seasonal Low lies over Northeastern Balochistan. With regards to other weather system, moderate moist currents from both Arabian Sea and Bay of Bengal are penetrating into central parts of Pakistan up to 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Multan & DG Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu, & DI Khan Divisions) and Balochistan (Zhob Division)** including upper catchments of all major rivers of IRS. Scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Fall** may also occur over **Gujranwala, Lahore and Sahiwal Divisions of Punjab** during the same period.

4. Wet spell is likely to decrease during the next 48 hours. Some good rains have been reported during the past 24 hours over Punjab, ICT, Khyber Pakhtunkhwa and AJ&K. Details 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 28-09-2024

Rivers and Reservoir Positions
September 28, 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 (NR) 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	62,000	63,000	111,000	86,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	120,000	112,000	124,000	117,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	124,000	120,000	112,000	107,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	109,000	88,000	100,000	83,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	132,000	103,000	108,000	85,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	102,000	50,000	77,000	34,000	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				11,000		15,000	Normal	200,000
• Nowshera					19,000		21,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		4,000	Normal	150,000
• Munda(H. Works)					2,000		4,000	Normal	150,000
• Charsadda Road	150,000				1,000		3,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	15,000	28,000	18,000	41,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	28,000	8,000	40,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	18,000	4,000	36,000	8,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	1,000	11,000	4,000	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	24,000	11,000	25,000	9,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	41,000	23,000	16,000	1,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		16,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	10,000	33,000	6,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	27,000	9,000	18,000	1,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	26,000	13,000	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 (Ft-AMSL)	Minimum Operating Level (Ft-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	1543.98	1536.77	5.766	5.463	5.013	86.94 %
Chashma	649.00	638.15	647.90	645.90	644.70	0.311	0.150	0.132	42.44 %
Mangla	1242.00	1050.00	1190.40	1228.10	1217.80	7.277	6.277	5.448	74.87 %
Total Live Storage						13.354	11.890	10.593	79.32 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+/-)
Maximum	22.0 °C	27.2 °C	+ 5.2 °C
Minimum	5.4 °C	14.0 °C	+ 8.6 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Faisalabad	120
2.	Lahore	52
3.	Sargodha	44
4.	Sheikhupura	42
5.	Islamabad	24
6.	Chakwal & Kallar	23 each
7.	Mandibahauddin	22
8.	Gujranwala	21
9.	Joharabad	15
10.	Sialkot	14
11.	Jhelum	12
12.	Gujrat, Sahiwal & Murree	09 each
13.	Mangla	08
14.	Hafizabad	06
B	Khyber Pakhtunkhwa	
15.	Daggar	50
16.	Kakul	15
17.	Mirkhani	12
18.	Chowni Bridge Chitral & Pattan	10 each
19.	Shinkiari	09
20.	Khawagoobo Bridge, Drosh, Oghi & Dir	05 each
C	AJ&K	
21.	Sharda	13
22.	Barnala	11
23.	Garhi Dopatta	10
24.	Palandri	07
25.	Muzaffarabad	05

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