



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY, SEPTEMBER 29, 2023

All major rivers of Indus River System (IRS) are discharging normal flows and there is no flood situation in the country. Present Live Storage of Tarbela, Chashma & Mangla is **11.744 MAF (87.36%** of maximum available live storage capacity of **13.443 MAF**). This was **9.756 MAF** on the same date last year. Inflows/outflows of major rivers of IRS and country's major reservoirs storage position including Skardu Temperature may be seen at **Annexure-I**.

2. According to FFD, Lahore, yesterday's trough of Westerly Wave over Northeastern parts of Afghanistan today lies over Northern parts of Pakistan with the Seasonal Low persisting over Northeastern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore has predicated **Scattered Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls** over **Islamabad, Rawalpindi Division of Punjab and Peshawar, Kohat & Bannu Divisions of Khyber Pakhtunkhwa** including upper catchments of rivers Indus & Kabul. **Isolated Wind Thunderstorm/Rain of Light to Moderate Intensity** may occur over **Sargodha, Gujranwala & Lahore Divisions of Punjab** and upper catchments of river Jhelum during the same period.

4. For the further 48 hours, mainly dry weather is expected. Few rainfall event has been experienced in Punjab and Khyber Pakhtunkhwa during the past 24 hours. Detail may be seen at **Annexure-II**.

5. Pakistan Meteorological Department through FFD, Lahore, continues to monitor the prevailing weather condition and is keeping all concerned organizations fully cognizant 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 & Environmental Coordination, Islamabad.
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 & Environmental Coordination, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad
9. Director General (Coord-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.

Distribution:

14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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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 Deptt., Govt. of Khyber Pakhtunkhwa, 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, Govt. 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, Govt. 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 29-09-2023

Rivers and Reservoir Positions September 29, 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	71,000	67,000	54,000	77,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	78,000	70,000	93,000	85,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	109,000	88,000	124,000	120,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	83,000	62,000	109,000	88,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	65,000	50,000	127,000	100,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	46,000	36,000	100,000	50,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	162,000	130,000	38,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				11,000		8,000	Normal	200,000
• Nowshera					19,000		19,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		4,000	Normal	150,000
• Munda(H. Works)					6,000		2,000	Normal	150,000
• Charsadda Road	150,000				6,000		1,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	10,000	22,000	15,000	32,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	NIL	29,000	8,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	27,000	4,000	19,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	12,000	4,000	9,000	2,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	NIL	19,000	1,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	5,000	22,000	10,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	37,000	20,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		9,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		7,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	7,000	35,000	6,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	22,000	4,000	Normal	90,000
River Sutlej									
• G.S. Wala							6,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	22,000	9,000	21,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	10,000	9,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1513.16	1550.00	1542.82	5.809	5.827	5.396	92.89 %
Chashma	649.00	638.15	646.70	647.30	645.50	0.278	0.198	0.130	46.76 %
Mangla	1242.00	1050.00	1187.90	1190.05	1227.30	7.356	3.731	6.218	84.53 %
Total Live Storage						13.443	9.756	11.744	87.36 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	26.4 °C	23.2 °C	- 3.2 °C
Minimum	9.0 °C	8.3 °C	- 0.7 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Islamabad	10
2.	Attock	08
B	Khyber Pakhtunkhwa	
3.	Lower Dir	14
4.	Cherat	13
5.	Kalam	12
6.	Dir & Daggar	11 each
7.	Khaar-Bajaur & Pashat-Bajaur	09 each
8.	Takht Bai	08
9.	Buner	07
10.	Khawagoobo Bridge & Pattan	06 each
11.	Bosak Bridge & Warsak Dam	05 each

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