



**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
SATURDAY, SEPTEMBER 30, 2023**

Presently there is no flood situation in the country. All major rivers of the Indus River System (IRS) are in "Normal Flow Condition". Water Level at **Tarbela reservoir** is **1541.68 feet** against its **Maximum Conservation Level (MCL) of 1550 feet** and at **Mangla reservoir** it is **1226.40 feet** against its **MCL of 1242 feet**. Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **11.576 MAF** which is **86.11%** of maximum live storage capacity of **13.443 MAF**. Detailed discharges of major rivers and storage position of reservoirs are highlighted in **Annexure-I**.

2. According to FFD, Lahore, yesterday's trough of Westerly Wave over Northern parts of Pakistan today lies over Kashmir and adjoining areas, whereas Seasonal Low still persists over Northeastern Balochistan.
3. For the next 24 hours, FFD, Lahore has predicated mainly dry weather over most parts of the country. The details of significant rainfall events of last 24 hours may be seen at **Annexure-II**.
4. Pakistan Meteorological Department (PMD), Islamabad through its specialized flood forecasting unit, (FFD, Lahore) is monitoring the prevailing weather system and is keeping all concerned fully abreast of the situation.



(**Ahmed Kamal**)
Chief Engineering Adviser/
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.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.

Distribution:

16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
 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 30-09-2023**

Rivers and Reservoir Positions September 30, 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	65,000	77,000	55,000	64,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	90,000	82,000	107,000	99,000	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	63,000	47,000	126,000	100,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	45,000	34,000	98,000	48,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	145,000	114,000	39,000	2,000	Normal	650,000
River Kabul									
• Warsak	540,000				13,000		7,000	Normal	200,000
• Nowshera					19,000		18,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		4,000	Normal	150,000
• Munda (H. Works)					6,000		1,000	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	11,000	11,000	11,000	32,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	NIL	32,000	12,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	26,000	4,000	19,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	10,000	2,000	8,000	1,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	19,000	NIL	19,000	1,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	5,000	22,000	6,000	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		6,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		9,000		7,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	33,000	7,000	28,000	NIL	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	21,000	3,000	Normal	90,000
River Sutlej									
• G.S. Wala							6,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	21,000	8,000	21,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	3,000	2,000	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	1511.95	1550.00	1541.68	5.809	5.827	5.331	91.77 %
Chashma	649.00	638.15	646.40	646.50	643.80	0.278	0.170	0.093	33.45 %
Mangla	1242.00	1050.00	1187.40	1189.70	1226.40	7.356	3.712	6.152	83.68 %
Total Live Storage						13.443	9.709	11.576	86.11 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	24.0 °C	23.2 °C	- 0.8 °C
Minimum	7.4 °C	7.4 °C	0.0 °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.	Mianwali	19
2.	Kamra	13
3.	Attock	07
B	Khyber Pakhtunkhwa	
4.	Shishi Dsrosh	16
5.	Cherat	11
6.	Pattan & Mirkhani	07 each
7.	Darashoot, Malam Jabba & Drosh	06(each)
8.	Kalam	05

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