



**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
THURSDAY, SEPTEMBER 14, 2023**

There is no flood situation in the country, as all the major rivers of Indus River System (IRS) are discharging normal flows. High temperature in the upper catchment areas of River Indus (Skardu) since the last few days has resulted into increased inflows in River Indus upstream Tarbela. Inflows of **124,000 cusecs (Annexure-I)** have been recorded today at Tarbela whereas it was only **97,000 cusecs** on **September 9, 2023**. Water level in **Tarbela** and **Mangla reservoirs** are presently at **1545.04 feet** and **1236.70 feet** respectively.

2. Yesterday's **Monsoon Low** over North Bay of Bengal (India) is intensified into **DEPRESSION** and today lies over North Odisha (India) with Seasonal Low prevailing over Northeastern Balochistan. As a result, light to moderate moist currents from both Arabian Sea & Bay of Bengal are penetrating into upper parts of the Pakistan up to 5000 feet which are likely to intensify further in the coming days. Trough of Westerly Wave persisting over Northeastern Afghanistan.

3. **Weather Forecast for next 24 hours (Source: FFD, Lahore):**

Scattered Wind Thunderstorm/Rain of Moderate Intensity is expected over **Gujranwala Division of Punjab** including upper catchments of rivers Chenab, Ravi & Sutlej, besides **Isolated Wind Thunderstorm/Rain of Light Intensity** over **Islamabad, Rawalpindi & Lahore Divisions of Punjab** and upper catchments of rivers Indus, Kabul & Jhelum.

4. **Weather and Flood Forecast for the extended period of 15th to 20th September 2023:**

Scattered Wind Thunderstorm/Rain of Moderate Intensity with **Heavy Falls** at **isolated places** are expected over **Islamabad, Khyber Pakhtunkhwa, Punjab, Sindh & Eastern Balochistan** including upper catchments of all the major rivers of IRS. As a result, flows are likely to increase in all the major rivers of IRS and their associated Nullahs & tributaries besides in the hill torrents of D.G. Khan Division.

5. Except for Punjab (16 mm in Gujranwala and 06 mm in Kotnaina) no rainfall activity has been experienced over Pakistan during the past 24 hours.

6. All concerned organizations are advised to remain in **ALERT MODE** and ensure necessary measures as per their respective SOPs, in case of any flood emergency.

7. Round-the-Clock monitoring of the prevailing weather system with specific reference to further movement and intensity of **DEPRESSION** (presently lies over North Odisha, India) including its likely impact on Pakistan is being done by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned fully abreast 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, Islamabad.

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4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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7. Secretary, Ministry of Climate Change, 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.
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 14-09-2023

Rivers and Reservoir Positions September 14, 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	144,000	150,000	124,000	115,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	150,000	142,000	130,000	122,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	204,000	185,000	155,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	187,000	170,000	141,000	122,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	166,000	155,000	135,000	103,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	158,000	155,000	100,000	47,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	526,000	509,000	42,000	1,000	Normal	650,000
River Kabul									
• Warsak	540,000				23,000		16,000	Normal	200,000
• Nowshera					38,000		22,000	Normal	200,000
River Swat									
• Chakdara Bridge					8,000		4,000	Normal	150,000
• Munda (H. Works)					10,000		2,000	Normal	150,000
• Charsadda Road	150,000				10,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	18,000	13,000	13,000	37,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	11,000	NIL	36,000	16,000	Normal	225,000
River Chenab				42,000					
• Marala	1,100,000	1,100,000	26-8-1957		12,000	69,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	17,000	9,000	47,000	38,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	6,000	45,000	23,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	8,000	21,000	5,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	22,000	8,000	34,000	17,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		27,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	39,000	11,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	20,000	3,000	22,000	4,000	Normal	90,000
River Sutlej									
• G.S. Wala							3,273	Normal	
• Suleimanki	325,000	598,872	08-10-1955	14,000	1,000	19,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	4,000	1,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1531.74	1550.00	1545.04	5.809	5.827	5.524	95.09 %
Chashma	649.00	638.15	647.00	648.60	644.80	0.278	0.258	0.120	43.17 %
Mangla	1242.00	1050.00	1192.00	1192.80	1236.70	7.356	3.896	6.937	94.30 %
Total Live Storage						13.443	9.981	12.581	93.59 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	26.4 °C	31.6 °C	5.2 °C
Minimum	10.5 °C	12.2 °C	1.7 °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.