



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

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Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY, SEPTEMBER 11, 2023**

Subdued Monsoon activity in the upper catchment areas of Indus River System coupled with lesser temperature in the upper catchments of the Indus River (Skardu), low inflows have been observed in Rivers Indus, Jhelum and Chenab as compared to corresponding period of last year (**Annexure-I, Column-5 & 7**). Hence, there is no flood situation in the country and all major rivers are discharging normal flows.

2. Water Level in **Tarbela reservoir** is **1546.65 feet** against **Maximum Conservation Level (MCL)** of **1550.00 feet** whereas **Mangla reservoir** is at **1239.05 feet** against **MCL** of **1242.00 feet**. Combined Live Storage of country's three major reservoirs (Tarbela, Chashma & Mangla) is **12.840 MAF (95.51%** of total value of **13.443 MAF)** against last year available storage of **9.921 MAF**. Dam Management Authorities of Tarbela and Mangla are well maintaining both dams in accordance with the respective SOPs.


3. According to FFD, Lahore, Arabian Sea Seasonal Low continues to prevail over Northeastern Balochistan whereas at present light moist currents both from Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan up to 4000 feet.

4. Mainly dry weather is expected over most parts of Pakistan during next 24 hours. Nonetheless, **Isolated Thunderstorm/Rain** of **Light Intensity** may occur over **Islamabad, Rawalpindi, Gujranwala & Lahore Divisions** of **Punjab** and over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej during the same period.

5. **Moderate Rainfall Activity** is expected over upper catchments of all the major rivers of IRS from **15th September 2023**. No noticeable rainfall activity has been experienced over Pakistan during past 24 hours (Source: FFD, Lahore).

6. **Tarbela & Mangla Dam Management Authorities** including all concerned organizations are advised to remain on **ALERT** and exercise necessary measures as per their respective SOPs, in case of any flood emergency.

7. Pakistan Meteorological Department (PMD) through Flood Forecasting Division (FFD), Lahore is monitoring the prevailing weather situations on Round-The-Clock basis 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.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad

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5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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 11-09-2023

Rivers and Reservoir Positions September 11, 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	165,000	153,000	107,000	117,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	175,000	167,000	152,000	144,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	182,000	164,000	160,000	151,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	181,000	164,000	142,000	118,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	163,000	156,000	145,000	116,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	178,000	176,000	114,000	59,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	626,000	600,000	73,000	63,000	Normal	650,000
River Kabul									
• Warsak	540,000				21,000		16,000	Normal	200,000
• Nowshera					39,000		23,000	Normal	200,000
River Swat									
• Chakdara Bridge					9,000		5,000	Normal	150,000
• Munda(H. Works)					12,000		3,000	Normal	150,000
• Charsadda Road	150,000				11,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	28,000	14,000	14,000	36,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	39,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	63,000	33,000	42,000	12,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	23,000	15,000	18,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	19,000	NIL	25,000	3,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	8,000	17,000	1,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	23,000	9,000	40,000	23,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	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	34,000	9,000	33,000	7,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	25,000	7,000	21,000	4,000	Normal	90,000
River Sutlej									
• G.S. Wala							3,687	Normal	
• Suleimanki	325,000	598,872	08-10-1955	13,000	NIL	17,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	2,000	1,000	8,000	6,000	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	1531.50	1550.00	1546.65	5.809	5.827	5.616	96.68 %
Chashma	649.00	638.15	647.20	648.60	644.20	0.278	0.258	0.105	37.77 %
Mangla	1242.00	1050.00	1192.00	1191.80	1239.05	7.356	3.836	7.119	96.78 %
Total Live Storage						13.443	9.921	12.840	95.51 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	32.4 °C	30.6 °C	- 1.8 °C
Minimum	16.3 °C	10.4 °C	- 5.9 °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.