



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
TUESDAY, SEPTEMBER 12, 2023

There is no flood situation in the country as all the major rivers of Indus River System (IRS) i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej are flowing in "Normal Flow Condition". Present, water level of **Tarbela reservoir** is **1545.62 feet** against **Maximum Conservation Level (MCL)** of **1550 feet** whereas **Mangla reservoir** is at **1238.30 feet** against **MCL** of **1242 feet**. Both Tarbela and Mangla Dam are being operated by the respective Dam Management Authorities efficiently and effectively (**Annexure-I**).


2. Arabian Sea Seasonal Low continues to prevail over Northeastern Balochistan and is resulting into moderate moist currents which are penetrating into upper parts of Pakistan up to 5000 feet. Besides this a fresh trough of Westerly Wave lies over Northern parts of Afghanistan. (Source: FFD, Lahore)

3. For the ensuing 24 hours, **Scattered Wind Thunderstorm/Rain** of **Moderate Intensity** has been predicted by FFD, Lahore over **Gujranwala Division** of **Punjab** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej. **Isolated Wind Thunderstorm/Rain** of **Light Intensity** may also occur **Islamabad, (Rawalpindi & Lahore Divisions)** of **Punjab** and upper catchments of rivers Indus & Kabul during the same period. Further **Moderate Rainfall Activity** with **Isolated Heavy Falls** is expected over the upper catchments of all the major rivers of IRS from **15th September 2023**.

4. No noticeable rainfall activity has been experienced over Pakistan during past 24 hours.

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

6. Round-The-Clock monitoring of the prevailing weather situation is being continued by Pakistan Meteorological Department (PMD) through Flood Forecasting Division (FFD), Lahore 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, 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

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7. Secretary, Ministry of Climate Change, Islamabad.
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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 12-09-2023

Rivers and Reservoir Positions September 12, 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	113,000	133,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	195,000	187,000	153,000	145,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	218,000	199,000	155,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	187,000	170,000	142,000	118,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	169,000	162,000	145,000	115,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	168,000	166,000	110,000	55,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	608,000	582,000	66,000	62,000	Normal	650,000
River Kabul									
• Warsak	540,000				21,000		15,000	Normal	200,000
• Nowshera					40,000		23,000	Normal	200,000
River Swat									
• Chakdara Bridge					9,000		5,000	Normal	150,000
• Munda(H. Works)					10,000		2,000	Normal	150,000
• Charsadda Road	150,000				12,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	28,000	12,000	15,000	36,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	12,000	NIL	35,000	16,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	53,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	25,000	18,000	18,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	31,000	11,000	25,000	3,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	8,000	19,000	3,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	30,000	16,000	37,000	20,000	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		25,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	8,000	39,000	11,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	19,000	1,000	21,000	4,000	Normal	90,000
River Sutlej									
• G.S. Wala							2,878	Normal	
• Suleimanki	325,000	598,872	08-10-1955	13,000	NIL	16,000	1,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	4,000	2,000	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	1531.87	1550.00	1545.62	5.809	5.827	5.557	95.66 %
Chashma	649.00	638.15	647.20	648.60	644.30	0.278	0.258	0.108	38.85 %
Mangla	1242.00	1050.00	1191.80	1192.30	1238.30	7.356	3.866	7.061	95.99 %
Total Live Storage						13.443	9.951	12.726	94.67 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	26.4 °C	32.7 °C	6.3 °C
Minimum	15.0 °C	9.3 °C	- 5.7 °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.