



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY, SEPTEMBER 06, 2024

At present, River Indus is experiencing “**Medium Flood**” at Kotri Barrage (the last control structure before the river reaches the Arabian Sea). Other major rivers in the Indus River System i.e. Jhelum, Chenab, Ravi and Sutlej are discharging normal flows. **Annexure-I** provides detailed information on the rivers flow situation and reservoir storage levels as of 0600 hours today.


2. Tarbela Reservoir is being maintained at its Maximum Conservation Level of **1550.00 feet** since **August 19, 2024**. At present, water level in Mangla Reservoir is **1226.20 feet** against its MCL: **1242 feet** (**16.75 %** storage still left). Combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) stands at **12.109 MAF**, which represents **90.68%** of the total live storage capacity of **13.354 MAF**. The management of the Tarbela Dam is ensuring the reservoir is regulated in accordance with the approved SOPs and Dam Safety Guidelines.

3. According to FFD Lahore, shallow trough of the Westerly Wave, which was positioned over Northern Afghanistan yesterday, has now shifted to Northeastern Afghanistan and adjoining areas. Seasonal low persists over Northwestern Balochistan. Light to moderate moist currents from both the Arabian Sea and the Bay of Bengal are penetrating into upper parts of Pakistan at the reporting time today.

4. For the ensuing 24 hours, FFD Lahore has predicted, scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha & Gujranwala Divisions) and Khyber Pakhtunkhwa (Bannu & Kohat Divisions)** including upper catchments of all major rivers of IRS. During the same time, isolated thunderstorm rain of **Moderate Intensity** may occur over **Punjab (Lahore, D.G. Khan and Bahawalpur Divisions)**.

5. No significant monsoon activity is anticipated over the next 48 hours. During the past 24 hours no significant rainfall activity has been reported except for **Lahore= 08 mm & Rawalakot= 05 mm**.

6. PMD, Islamabad through Flood Forecasting Unit (FFD, Lahore) is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.


(Dr. M. Ejaz Tanveer)
Chief Engineer Floods

For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.
3. Minister for Planning, Development & Special Initiatives, Islamabad.
4. Minister for Climate Change & Environmental Coordination, Islamabad.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad

Distribution:

6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of Climate Change & Environmental Coordination, Islamabad.
9. Secretary, Ministry of National Food Security & Research, Islamabad.
10. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
11. Secretary, Senate Standing Committee on Water Resources, Parliament House, Islamabad.
12. Chairman, National Disaster Management Authority, Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chief Executive Officer, Pakistan Railways, Lahore.
15. Chairman, Indus River System Authority, Islamabad.
16. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
17. Chairman, National Highway Authority, Islamabad.
18. Director General, Pakistan Meteorological Department, Islamabad.
19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
21. Chief Secretary, Government of the Punjab, Lahore.
22. Chief Secretary, Government of Sindh, Karachi.
23. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
24. Chief Secretary, Government of Balochistan, Quetta.
25. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
26. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
27. Secretary, Irrigation Department, Government of the Punjab, Lahore.
28. Secretary, Irrigation Department, Government of Sindh, Karachi.
29. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
30. Secretary, Irrigation Department, Government of Balochistan, Quetta.
31. Secretary, Irrigation and Water Management, Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of K.P, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of KP, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
43. Chief Commissioner, ICT, Islamabad.
44. Chairman, Capital Development Authority, Islamabad.
45. Commissioner, Rawalpindi.
46. Managing Director, WASA, Rawalpindi.
47. Principal Information Officer, Press Information Department, Islamabad.
48. Director (News), Associated Press of Pakistan, Islamabad.
49. Director (News), Pakistan Television, Islamabad.
50. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
51. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2024, dated 06-09-2024

Rivers and Reservoir Positions September 06, 2024 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	133,000	125,000	150,000	155,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	170,000	162,000	190,000	184,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	166,000	148,000	215,000	190,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	114,000	94,000	186,000	163,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	135,000	103,000	231,000	199,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	47,000	189,000	152,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	174,000	133,000	313,000	306,000	Med Flood (F)	650,000
River Kabul									
• Warsak	540,000				20,000		21,000	Normal	200,000
• Nowshera					25,000		33,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		6,000	Normal	150,000
• Munda (H. Works)					4,000		7,000	Normal	150,000
• Charsadda Road	150,000				3,000		6,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	14,000	14,000	30,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	12,000	NIL	9,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	57,000	28,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	18,000	9,000	40,000	33,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	22,000	NIL	30,000	12,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	60,000	50,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	79,000	62,000	58,000	47,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		19,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	13,000	45,000	19,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	25,000	7,000	26,000	12,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	21,000	6,000	18,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	25,000	23,000	6,000	4,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1550.00	1550.00	1550.00	5.766	5.809	5.766	100 %
Chashma	649.00	638.15	648.60	649.00	648.50	0.311	0.278	0.285	91.64 %
Mangla	1242.00	1050.00	1190.05	1241.90	1226.20	7.277	7.348	6.058	83.25 %
Total Live Storage						13.354	13.435	12.109	90.68 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	24.7 °C	29.0 °C	+ 4.3 °C
Minimum	12.2 °C	15.0 °C	+ 2.8 °C

NOTE-1: "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

NOTE-2: "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

NOTE-3: * 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.

NOTE-4: Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.