



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
TUESDAY, SEPTEMBER 17, 2024

There is now no flood situation in the country at present because all of the major rivers in the Indus River System (Rivers Indus, Jhelum, Chenab, Ravi, and Sutlej) are discharging Normal flows. **Annexure-I** may be referred for detailed information on the discharge of these rivers at the specified control structures, the current storage levels of the main reservoirs, and the temperature in Skardu.

2. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla), as of today, is **11.801 MAF** which is **88.37%** of the total available live storage capacity of **13.354 MAF**. In comparison to their respective Maximum Conservation Levels (MCLs) of 1550 and 1242 feet, the water levels at **Tarbela and Mangla Reservoirs**, today at 0600 hours, are **1544.07 feet** and **1226.80 feet** respectively.

3. According to the FFD Lahore, yesterday's trough of Westerly Wave over Northern parts of Afghanistan today lies over Northern parts of Pakistan. Yesterday's Deep Depression over West Bengal (India) has weakened into Depression, it has moved North-Westwards and today lies over North Chhattisgarh (India) and adjoining Jharkhand (India). Mild Moist Currents from the Arabian Sea are penetrating into the upper half of Pakistan upto 3,000 feet whereas Seasonal Low lies over Balochistan.

4. FFD Lahore has predicted mostly dry weather for most parts of the country during the next **24 hours**, however, **isolated thunderstorm rain** of light intensity may occur over **Islamabad, Punjab** (Rawalpindi Division), **Khyber Pakhtunkhwa** (Peshawar, Kohat & Bannu Divisions) along with upper catchments of the **Kabul** and **Indus** rivers. No Significant rainfall event has been reported by FFD, Lahore during the past 24 hours except for D.G Khan =10 mm, Lasbella=08 mm and Bar Khan=05 mm. For the ensuing **48 hours**, scattered thunder storm/ rain of moderate intensity are expected over the upper catchments of Chenab, Ravi and Sutlej rivers.

5. As per the weekly Weather Outlook of FFD Lahore for **September 18-24, 2024**, scattered thunder storm/ rain is expected over upper catchments of the Chenab, Ravi and Sutlej rivers. This may lead to increased flows in the Chenab, Ravi and Sutlej rivers on **19th September 2024** and onward.

6. Pakistan Meteorological Department, Islamabad through FFD Lahore is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.

(Zafar Iqbal)

Superintending Engineer (Floods-I)
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, Ministry of Planning, Development & Special Initiatives, 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. Chairman, Indus River System Authority, Islamabad.
15. Pakistan Commissioner for Indus Waters, Islamabad.
16. Chief Executive Officer, Pakistan Railways, Lahore.
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, Government of Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Govt. of Khyber Pakhtunkhwa, 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 17-09-2024

Rivers and Reservoir Positions September 17, 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	145,000	122,000	86,000	95,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	142,000	134,000	142,000	135,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	149,000	145,000	150,000	141,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	137,000	120,000	142,000	115,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	120,000	92,000	131,000	102,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	92,000	42,000	96,000	53,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	48,000	7,000	106,000	82,000	Normal	650,000
River Kabul									
• Warsak	540,000				19,000		15,000	Normal	200,000
• Nowshera					28,000		25,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		5,000	Normal	150,000
• Munda(H. Works)					4,000		2,000	Normal	150,000
• Charsadda Road	150,000				3,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	18,000	30,000	19,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	25,000	5,000	27,000	8,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	26,000	22,000	31,000	6,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	31,000	23,000	14,000	7,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	53,000	31,000	22,000	4,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	36,000	23,000	22,000	8,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	1,000	30,000	16,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		8,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		30,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	43,000	17,000	29,000	9,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	24,000	6,000	24,000	8,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	18,000	4,000	11,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	3,000	1,000	2,000	NIL	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FI-AMSL)	Minimum Operating Level (FI-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	1547.05	1544.07	5.766	5.693	5.425	94.09 %
Chashma	649.00	638.15	648.60	642.20	648.30	0.311	0.062	0.274	88.10 %
Mangla	1242.00	1050.00	1193.05	1235.40	1226.80	7.277	6.836	6.102	83.85 %
Total Live Storage						13.354	12.591	11.801	88.37 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	31.6 °C	27.4 °C	- 4.2 °C
Minimum	16.3 °C	9.4 °C	- 6.9 °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.