



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](http://www.ffc.gov.pk)

FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
FRIDAY, SEPTEMBER 13, 2024

At present there is no flood situation in any part of the country. All major rivers in the Indus River System (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing in normal condition. For detailed information on the discharge of these rivers at designated control structures, as well as the current storage levels of the country's major reservoirs and the temperature in Skardu, **Annexure-I** is referred.

2. Water level at Tarbela Reservoir, which had been maintained to its Maximum Conservation Level (MCL) of 1550.00 feet since August 19, 2024, has now decreased to 1549.13 feet. This decline is due to reduced inflows, influenced by cooler temperature in Skardu and increase in outflow to meet irrigation requirements. Meanwhile, the water level at Mangla Reservoir is stable at 1228.50 feet over the past 24 hours, which is 13.50 feet below its MCL of 1242 feet. The combined live storage of the country's major reservoirs (Tarbela, Chashma, and Mangla) stands at 12.148 MAF, which is 90.97% of the total available live storage capacity of 13.354 MAF.
3. According to the FFD, Lahore, yesterday's trough of Westerly Wave over northern parts of Afghanistan today lies over Northeastern Afghanistan and adjoining areas of Pakistan whereas weak Seasonal Low lies over Northeastern Balochistan. At present, moderate moist currents from Arabian Sea are penetrating into upper half of Pakistan up to 5000 feet.
4. For the ensuing 24 hours, FFD, Lahore, has predicted, scattered thunderstorm rain of **Moderate Intensity** over Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala & DG Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & DI Khan Divisions) and Balochistan (Zhub Division) including upper catchments of rivers Kabul, Indus, Jhelum and Sutlej. During the same period, isolated thunderstorm rain may occur over Lahore Division of Punjab and upper catchments of rivers Chenab and Ravi.
5. Moderate rainfall activity is likely to continue during the next 48 hours. As a result, Low to Medium level flows are expected in the hill torrents of D.G. Khan Division during the next 48 hours. No significant rainfall activity has been reported for the past 24 hours except 27 mm for Islamabad and 07 mm for Narowal.
6. Pakistan Meteorological Department (PMD), 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)  
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.

## Distribution:

5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
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 KP, 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 13-09-2024**

**Rivers and Reservoir Positions**  
**September 13, 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                                      |
| <b>River Indus</b>  |                   |  |            |                |         |   |         |                       |   |
| • Tarbela Reservoir | 1,500,000         | 604,000                                  | 30-7-2010  | 117,000        | 108,000 | 103,000                                     | 120,000 | Normal                | 650,000                                 |
| • Kalabagh          | 950,000           | 950,000                                  | 14-7-1942  | 129,000        | 121,000 | 135,000                                     | 128,000 | Normal                | 650,000                                 |
| • Chashma Reservoir | 950,000           | 1,036,673                                | 01-8-2010  | 155,000        | 150,000 | 161,000                                     | 150,000 | Normal                | 650,000                                 |
| • Taunsa            | 1,000,000         | 959,991                                  | 02-8-2010  | 142,000        | 119,000 | 130,000                                     | 104,000 | Normal                | 650,000                                 |
| • Guddu             | 1,200,000         | 1,199,672                                | 15-8-1976  | 138,000        | 106,000 | 159,000                                     | 135,000 | Normal                | 700,000                                 |
| • Sukkur            | 900,000           | 1,161,000                                | 16-8-1976  | 109,000        | 55,000  | 125,000                                     | 83,000  | Normal                | 700,000                                 |
| • Kotri             | 875,000           | 981,000                                  | 14-8-1956  | 43,000         | 20,000  | 169,000                                     | 169,000 | Normal                | 650,000                                 |
| <b>River Kabul</b>  |                   |  |            |                |         |   |         |                       |   |
| • Warsak            | 540,000           |  |            |                | 16,000  |   | 16,000  | Normal                | 200,000                                 |
| • Nowshera          |                   |  |            |                | 23,000  |   | 27,000  | Normal                | 200,000                                 |
| <b>River Swat</b>   |                   |  |            |                |         |   |         |                       |   |
| • Chakdara Bridge   |                   |  |            |                | 4,000   |   | 5,000   | Normal                | 150,000                                 |
| • Munda( H. Works)  |                   |  |            |                | 2,000   |   | 2,000   | Normal                | 150,000                                 |
| • Charsadda Road    | 150,000           |  |            |                | 2,000   |   | 2,000   | Normal                | 100,000                                 |
| <b>River Jhelum</b> |                   |  |            |                |         |   |         |                       |   |
| • Mangla Reservoir  | 1,060,000         | 1,090,000                                | 10-9-1992  | 13,000         | 36,000  | 20,000                                      | 20,000  | Normal                | 225,000                                 |
| • Rasul             | 850,000           | 952,170                                  | 10-9-1992  | 32,000         | 12,000  | 16,000                                      | NIL     | Normal                | 225,000                                 |
| <b>River Chenab</b> |                   |  |            |                |         |   |         |                       |   |
| • Marala            | 1,100,000         | 1,100,000                                | 26-8-1957  | 58,000         | 28,000  | 39,000                                      | 12,000  | Normal                | 400,000                                 |
| • Khanki            | 1,100,000         | 1,086,460                                | 27-8-1959  | 37,000         | 29,000  | 15,000                                      | 9,000   | Normal                | 400,000                                 |
| • Qadirabad         | 900,000           | 948,530                                  | 11-9-1992  | 37,000         | 15,000  | 24,000                                      | 12,000  | Normal                | 400,000                                 |
| • Trimmu            | 875,000           | 943,225                                  | 08-7-1959  | 21,000         | 5,000   | 30,000                                      | 17,000  | Normal                | 450,000                                 |
| • Panjnad           | 865,000           | 802,516                                  | 17-8-1973  | 35,000         | 18,000  | 50,000                                      | 36,000  | Normal                | 450,000                                 |
| <b>River Ravi</b>   |                   |  |            |                |         |   |         |                       |   |
| • Jassar            | 275,000           | 680,000                                  | 05-10-1955 |                | 7,000   |   | 5,000   | Normal                | 150,000                                 |
| • Shahdara          | 250,000           | 680,000                                  | 22-9-1988  |                | 24,000  |   | 18,000  | Normal                | 135,000                                 |
| • Balloki           | 380,000           | 336,200                                  | 28-9-1988  | 39,000         | 11,000  | 34,000                                      | 6,000   | Normal                | 135,000                                 |
| • Sidhnai           | 150,000           | 330,210                                  | 02-10-1988 | 21,000         | 3,000   | 22,000                                      | 7,000   | Normal                | 90,000                                  |
| <b>River Sutlej</b> |                   |  |            |                |         |   |         |                       |   |
| • Suleimanki        | 325,000           | 598,872                                  | 08-10-1955 | 19,000         | 4,000   | 16,000                                      | 3,000   | Normal                | 175,000                                 |
| • Islam             | 332,000           | 492,581                                  | 11-10-1955 | 4,000          | 2,000   | 5,000                                       | 3,000   | 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                  | 1545.10 | 1549.13 | 5.766              | 5.527         | 5.716         | 99.13 %                                 |
| Chashma                   | 649.00                                | 638.15                             | 648.60                   | 644.50  | 646.80  | 0.311              | 0.113         | 0.204         | 65.59 %                                 |
| Mangla                    | 1242.00                               | 1050.00                            | 1192.60                  | 1237.50 | 1228.50 | 7.277              | 6.999         | 6.228         | 85.58 %                                 |
| <b>Total Live Storage</b> |                                       |                                    |                          |         |         | <b>13.354</b>      | <b>12.639</b> | <b>12.148</b> | <b>90.97 %</b>                          |

**C. Skardu Temperature:**

| Skardu Temperature | Last year 2023 | Today 2024 | Difference ( + / - ) |
|--------------------|----------------|------------|----------------------|
| Maximum            | 32.7 °C        | 27.3 °C    | - 5.4 °C             |
| Minimum            | 10.4 °C        | 10.0 °C    | - 0.4 °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 &amp; 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.