



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**  
**FRIDAY, AUGUST 25, 2023**

Owing to release of water from **Bhakra (River Sutlej)** and **Pong (River Beas) Dams** by India, River Sutlej has been experiencing **FLOODS** since **17<sup>th</sup> August 2023**. Presently, it is in **Medium Flood** at **Ganda Singh Wala (First measuring station in Pakistan)** and **Suleimanki Headworks** respectively. It is in **High Flood** at **Islam Headworks (downstream Suleimanki)**. Moreover, **River Indus** is in **Low Flood** in **Tarbela-Kalabagh-Chashma** reaches, at **Guddu**, besides **River Kabul** at **Warsak** (refer **Annexure-I**).

2. Water level in **Tarbela Reservoir** is **1548.70 feet** against its Maximum Conservation Level (MCL) of **1550 feet** and in **Mangla Reservoir** is **1241.70 feet** Vs MCL of **1242 feet**. In view of higher water levels and Weather Prediction of FFD, Lahore for the upper catchments of Rivers Indus and Jhelum, both Tarbela and Mangla Dam Management including Flood Mitigation Committee (FMC) of Mangla Dam are advised to remain **Vigilant** and **Alert** and take utmost care in reservoirs operation in accordance with the respective SOPs and Dam Safety Guidelines. **Timely dissemination of flood warnings, in case of any abnormal outflows, to the concerned District Administrations and local population in the downstream areas would be the responsibility of respective department.**


3. Arabian Sea Seasonal Low lies over Northeastern Balochistan and its trough is extending northwards, causing thereby moderate moist currents which are penetrating in to upper parts of Pakistan up to 5000 feet. Trough of Westerly Wave earlier over Northeastern Afghanistan and adjoining areas, today lies over Northern parts of Afghanistan.

4. **Scattered Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls** has been predicted by FFD, Lahore over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including over upper catchments of all the major rivers of IRS during the next 24 hours. For the same time period, **Isolated Wind Thunderstorm/Rain** may also occur over **D.G. Khan Division (Punjab)** and **D.I. Khan Division (Khyber Pakhtunkhwa)**. **Moderate Monsoon activity with Isolated Heavy Falls** may continue over the upper catchments of all the major rivers of IRS up to **27<sup>th</sup> August 2023**.

5. Some noticeable rainfall events have been experienced in Punjab, Khyber Pakhtunkhwa, AJ&K and Gilgit-Baltistan during the past 24 hours. Details may be seen at **Annexure-II**.

6. In view of present **FLOOD SITUATION** in **River Sutlej**, all concerned organizations especially **Punjab Irrigation Department** and **PDMA Punjab** are advised to remain on **HIGH ALERT** and ensure fool proof measures as per their Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

7. Pakistan Meteorological Department (PMD) is monitoring of prevailing weather conditions on Round-the-Clock basis through FFD, Lahore and is keeping all concerned organizations fully cognizant 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.

**Distribution:**

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
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-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 Department, Government of K.P, 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, Government 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, Government 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 25-08-2023**

## Rivers and Reservoir Positions August 25, 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                                      |
| <b>River Indus</b>         |                   |  |            |                |         |   |         |                       |   |
| • <b>Tarbela Reservoir</b> | 1,500,000         | 604,000                                  | 30-7-2010  | 200,000        | 212,000 | 260,000                                     | 256,000 | Low Flood (S)         | 650,000                                 |
| • <b>Kalabagh</b>          | 950,000           | 950,000                                  | 14-7-1942  | 258,000        | 254,000 | 285,000                                     | 277,000 | Low Flood (R)         | 650,000                                 |
| • <b>Chashma Reservoir</b> | 950,000           | 1,036,673                                | 01-8-2010  | 316,000        | 298,000 | 288,000                                     | 263,000 | Low Flood (R)         | 650,000                                 |
| • <b>Taunsa</b>            | 1,000,000         | 959,991                                  | 02-8-2010  | 471,000        | 471,000 | 231,000                                     | 209,000 | Normal                | 650,000                                 |
| • <b>Guddu</b>             | 1,200,000         | 1,199,672                                | 15-8-1976  | 517,000        | 517,000 | 250,000                                     | 219,000 | Low Flood (F)         | 700,000                                 |
| • <b>Sukkur</b>            | 900,000           | 1,161,000                                | 16-8-1976  | 580,000        | 580,000 | 210,000                                     | 156,000 | Normal                | 700,000                                 |
| • <b>Kotri</b>             | 875,000           | 981,000                                  | 14-8-1956  | 297,000        | 297,000 | 154,000                                     | 113,000 | Normal                | 650,000                                 |
| <b>River Kabul</b>         |                   |  |            |                |         |   |         |                       |   |
| • <b>Warsak</b>            | 540,000           |  |            |                | 59,000  |   | 43,000  | Low Flood (R)         | 200,000                                 |
| • <b>Nowshera</b>          |                   |  |            |                | 78,000  |   | 43,000  | Normal                | 200,000                                 |
| <b>River Swat</b>          |                   |  |            |                | 22,000  |   |         |                       |   |
| • <b>Chakdara Bridge</b>   |                   |  |            |                |         |   | 9,000   | Normal                | 150,000                                 |
| • <b>Munda( H. Works)</b>  |                   |  |            |                | 28,000  |   | 10,000  | Normal                | 150,000                                 |
| • <b>Charsadda Road</b>    | 150,000           |  |            |                | 19,000  |   | 10,000  | Normal                | 100,000                                 |
| <b>River Jhelum</b>        |                   |  |            |                |         |   |         |                       |   |
| • <b>Mangla Reservoir</b>  | 1,060,000         | 1,090,000                                | 10-9-1992  | 28,000         | 8,000   | 23,000                                      | 26,000  | Normal                | 225,000                                 |
| • <b>Rasul</b>             | 850,000           | 952,170                                  | 10-9-1992  | 8,000          | NIL     | 23,000                                      | 20,000  | Normal                | 225,000                                 |
| <b>River Chenab</b>        |                   |  |            | 88,000         |         |   |         |                       |   |
| • <b>Marala</b>            | 1,100,000         | 1,100,000                                | 26-8-1957  |                | 61,000  | 79,000                                      | 49,000  | Normal                | 400,000                                 |
| • <b>Khanki</b>            | 1,100,000         | 1,086,460                                | 27-8-1959  | 59,000         | 51,000  | 58,000                                      | 50,000  | Normal                | 400,000                                 |
| • <b>Qadirabad</b>         | 900,000           | 948,530                                  | 11-9-1992  | 47,000         | 27,000  | 51,000                                      | 41,000  | Normal                | 400,000                                 |
| • <b>Trimmu</b>            | 875,000           | 943,225                                  | 08-7-1959  | 74,000         | 60,000  | 62,000                                      | 53,000  | Normal                | 450,000                                 |
| • <b>Panjnad</b>           | 865,000           | 802,516                                  | 17-8-1973  | 71,000         | 65,000  | 81,000                                      | 64,000  | Normal                | 450,000                                 |
| <b>River Ravi</b>          |                   |  |            |                |         |   |         |                       |   |
| • <b>Jassar</b>            | 275,000           | 680,000                                  | 05-10-1955 |                | 22,000  |   | 26,000  | Normal                | 150,000                                 |
| • <b>Shahdara</b>          | 250,000           | 680,000                                  | 22-9-1988  |                | 22,000  |   | 32,000  | Normal                | 135,000                                 |
| • <b>Balloki</b>           | 380,000           | 336,200                                  | 28-9-1988  | 41,000         | 14,000  | 41,000                                      | 23,000  | Normal                | 135,000                                 |
| • <b>Sidhnai</b>           | 150,000           | 330,210                                  | 02-10-1988 | 20,000         | 10,000  | 37,000                                      | 19,000  | Normal                | 90,000                                  |
| <b>River Sutlej</b>        |                   |  |            |                |         |   |         |                       |   |
| • <b>G.S. Wala</b>         | 325,000           | 598,872                                  | 08-10-1955 | 16,000         | 4,000   | 106,000                                     | 118,652 | Med Flood (R)         | 175,000                                 |
| • <b>Suleimanki</b>        | 332,000           | 492,581                                  | 11-10-1955 | 5,000          | 4,000   | 137,000                                     | 95,000  | Med Flood (F)         | 175,000                                 |
| • <b>Islam</b>             |                   |  |            |                |         |   | 136,000 | High Flood (R)        | 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                           | 1544.37                  | 1550.00 | 1548.70 | 5.809              | 5.827     | 5.734         | 98.71 %                                 |
| Chashma                   | 649.00                               | 638.15                            | 644.60                   | 642.00  | 648.80  | 0.278              | 0.058     | 0.268         | 96.40 %                                 |
| Mangla                    | 1242.00                              | 1050.00                           | 1200.95                  | 1179.30 | 1241.70 | 7.356              | 3.137     | 7.332         | 99.67 %                                 |
| <b>Total Live Storage</b> |                                      |                                   |                          |         |         | <b>13.443</b>      | 9.022     | <b>13.334</b> | <b>99.19 %</b>                          |

### C. Skardu Temperature:

| Skardu Temperature | Last year 2022 | Today 2023 | Difference (+/-) |
|--------------------|----------------|------------|------------------|
| Maximum            | 25.7 °C        | 25.0 °C    | - 0.7 °C         |
| Minimum            | 15.0 °C        | 14.2 °C    | - 0.8 °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.

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**Significant Rainfall Events during the Past 24 Hours**

| Sr. No.   | City/Observatory          | Rainfall (mm) |
|-----------|---------------------------|---------------|
| <b>A.</b> | <b>Punjab</b>             |               |
| 1.        | Mangla                    | 21            |
| 2.        | Jhelum & Islamabad        | 18 each       |
| 3.        | Kamra                     | 16            |
| 4.        | Lahore & Narowal          | 15 each       |
| 5.        | Mianwali                  | 06            |
| 6.        | Attock                    | 05            |
| <b>B.</b> | <b>Khyber Pakhtunkhwa</b> |               |
| 7.        | Besham                    | 34            |
| 8.        | Mardan                    | 30            |
| 9.        | Takht Bai                 | 29            |
| 10.       | Dir                       | 28            |
| 11.       | Kakul                     | 20            |
| 12.       | Darashoot                 | 16            |
| 13.       | Tarbela                   | 15            |
| 14.       | Khawagoobo Bridge         | 12            |
| 15.       | Pattan                    | 10            |
| 16.       | Saidu Sharif              | 07            |
| 17.       | Pashat-Bajaur             | 06            |
| 18.       | Malam Jabba               | 05            |
| <b>C.</b> | <b>A J &amp; K</b>        |               |
| 19.       | Kotli & Bandi Abbaspur    | 26            |
| 20.       | Haraman                   | 22            |
| 21.       | Palandri                  | 18            |
| 22.       | Garhi Dopatta             | 15            |
| 23.       | Dhulli & Barnala          | 05 each       |
| <b>D.</b> | <b>Gilgit Baltistan</b>   |               |
| 24.       | Bagrote                   | 11            |
| 25.       | Skardu                    | 08            |
| 26.       | Gupis & Astore            | 07 each       |

**Source: FFD, Lahore (Phone No. 042 99200139)**