



**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

**DAILY WEATHER & FLOOD SITUATION REPORT  
THURSDAY, SEPTEMBER 24, 2020**


All main rivers (**Indus, Jhelum, Chenab, Ravi and Sutlej**) are flowing normal. Today's Combined Live Storage of the country's major reservoirs is **12.845 MAF (94.35%** of the total live storage capacity of **13.614 MAF**). **Annexure-I** depicts the inflows/outflows of main rivers at important control structures alongwith water levels and storage position of major reservoirs (**Tarbela, Mangla & Chashma**) as of 0600 hours today.

2. **Tarbela Reservoir** is at an elevation of **1548.79 feet (1.21 feet** below its MCL of **1550.00 feet**) whereas **Mangla Reservoir** is at an elevation of **1234.90 feet (7.10 feet** below its MCL of **1242.00 feet**). **The dam operating authorities alongwith Mangla Dam FMC are strictly following SOPs and associated Dam Safety Guidelines.**

3. A fresh trough of **Westerly Wave** lies over Northern parts of Afghanistan whereas weak **Seasonal Low** continues to prevail over Northeastern Balochistan and adjoining areas.

4. According to Flood Forecasting Division (FFD), Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/rain is expected over the upper catchment of River Indus during the same period. No prominent rainfall event has been reported by FFD, Lahore, in the country during the past 24 hours.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system and keeping all concerned informed through FFD, Lahore.

  
(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. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore.

10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. Project Director/Chief Engineer, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.

U.O. No.FC-I (31)/2020, dated 24-09-2020

**Discharges at Important River Sites  
September 24, 2020 at 0600Hours**

(Figures in Cusecs)

| Structures                             | Designed Capacity | Actual Flow |          | Comparative Danger (VHF) Classification | Flood Classification* |
|--|-------------------|-------------|----------|---|-----------------------|
|  |                   | In Flow     | Out Flow |   |                       |
| <b>River Indus</b>                     |                   |             |          |   |                       |
| ▪ Tarbela Reservoir                    | 1,500,000         | 81,000      | 81,000   | 650,000                                 | Normal                |
| ▪ Kalabagh                             | 950,000           | 135,000     | 128,000  | 650,000                                 | Normal                |
| ▪ Chashma Reservoir                    | 1,000,000         | 111,000     | 105,000  | 650,000                                 | Normal                |
| ▪ Taunsa ^                             | 1,000,000         | 108,000     | 88,000   | 650,000                                 | Normal                |
| ▪ Guddu                                | 1,200,000         | 101,000     | 71,000   | 700,000                                 | Normal                |
| ▪ Sukkur ^^                            | 900,000           | 67,000      | 22,000   | 700,000                                 | Normal                |
| ▪ Kotri                                | 875,000           | 128,000     | 115,000  | 650,000                                 | Normal                |
| <b>River Kabul</b>                     |                   |             |          |   |                       |
| ▪ Warsak                               | 540,000           |             | 10,000   |   | Normal                |
| ▪ Nowshera                             |                   |             | 10,000   | 200,000                                 | Normal                |
| <b>River Swat (Tributary of Kabul)</b> |                   |             |          |   |                       |
| ▪ Chakdara Bridge                      |                   |             | 6,000    |   | Normal                |
| ▪ Munda Head Works ^^^                 | 150,000           |             | 3,000    |   | Normal                |
| ▪ Charsadda Road Bridge                |                   |             | 3,000    |   | Normal                |
| <b>River Jhelum</b>                    |                   |             |          |   |                       |
| ▪ Mangla Reservoir                     | 1,060,000         | 18,000      | 52,000   | 225,000                                 | Normal                |
| ▪ Rasul                                | 850,000           | 40,000      | 19,000   | 225,000                                 | Normal                |
| <b>River Chenab</b>                    |                   |             |          |   |                       |
| ▪ Marala                               | 1,100,000         | 32,000      | 7,000    | 400,000                                 | Normal                |
| ▪ Khanki                               | 1,100,000         | 13,000      | 6,000    | 400,000                                 | Normal                |
| ▪ Qadirabad                            | 900,000           | 24,000      | 2,000    | 400,000                                 | Normal                |
| ▪ Trimmu                               | 645,000           | 43,000      | 29,000   | 450,000                                 | Normal                |
| ▪ Panjnad                              | 700,000           | 32,000      | 15,000   | 450,000                                 | Normal                |
| <b>River Ravi</b>                      |                   |             |          |   |                       |
| ▪ Jassar                               | 275,000           |             | 4,000    | 150,000                                 | Normal                |
| ▪ Shahdara                             | 250,000           |             | 14,000   | 135,000                                 | Normal                |
| ▪ Balloki                              | 225,000           | 37,000      | 4,000    | 135,000                                 | Normal                |
| ▪ Sidhnai                              | 150,000           | 19,000      | 1,000    | 90,000                                  | Normal                |
| <b>River Sutlej</b>                    |                   |             |          |   |                       |
| ▪ Suleimanki                           | 325,000           | 16,000      | 2,000    | 175,000                                 | Normal                |
| ▪ Islam                                | 300,000           | 1,000       | NIL      | 175,000                                 | Normal                |

Live Storage (MAF) +

| Reservoir Elevation ( in Feet Above Mean Sea Level ) | 2020    | 2019    | 2018    | Maximum       | Today         | Last Year     |       |
|--|---------|---------|---------|---------------|---------------|---------------|-------|
| <b>Tarbela:</b> Maximum Conservation Level:          | 1550.00 | 1548.79 | 1534.80 | 1513.98       | 5.980         | 5.911         | 5.192 |
| Minimum Operating Level:                             | 1392.00 |         |         |               |               |               |       |
| <b>Chashma:</b> Maximum Conservation Level:          | 649.00  | 645.40  | 644.80  | 644.50        | 0.278         | 0.136         | 0.120 |
| Minimum Operating Level:                             | 637.00  |         |         |               |               |               |       |
| <b>Mangla:</b> Maximum Conservation Level:           | 1242.00 | 1234.90 | 1216.30 | 1169.40       | 7.356         | 6.798         | 5.426 |
| Minimum Operating Level:                             | 1050.00 |         |         |               |               |               |       |
| <b>Total Live Storage</b>                            |         |         |         | <b>13.614</b> | <b>12.845</b> | <b>10.738</b> |       |

| Skardu Temperature | Today 2020 | Last year 2019 |
|--------------------|------------|----------------|
| <b>Maximum</b>     | 29.2 °C    | 30.3 °C        |
| <b>Minimum</b>     | 7.1 °C     | 6.4 °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 &amp; NR stands for "Not Received"

+ Based on IRSA's Daily Hydrological Data

^^ PID, Sindh vide letter No. DR/4-17/2015/839 dated 22-04-2015 informed that design discharge capacity of Sukkur Barrage has decreased from 1,500,000 cusecs to 900,000 cusecs due to closing of its ten (10) gates as a result of model study carried out in Poona during 1941-42 to control silting problem in right bank canals.

^ As per PID, Punjab's letter No. IWT&amp;R/14/1108/04/97 dated 17-09-2014

^^^ As per PID, KP's letter No. 1271GSG-II/ dated 11-06-2018