



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
MONDAY, OCTOBER 02, 2023

At present, all major rivers of Indus River System (IRS) are discharging normal flows. Hence, there is no Flood Situation in the Country. Today's combined live storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **11.325 MAF** which is **84.24%** of maximum available live storage capacity of **13.443 MAF**. **Annexure-I** depicts discharges of major rivers and reservoirs storage position.

2. According to FFD, Lahore, weak Seasonal Low lies over Northeastern Balochistan with a shallow trough of Westerly Wave prevails over Northeastern Afghanistan.
3. Mainly dry weather has been predicated by FFD, Lahore during the next 24 hours over most parts of the country. Nonetheless, **Isolated Thunderstorm/Rain of Light Intensity** may occur over the upper catchments of rivers Kabul, Indus, Jhelum & Chenab during the same period.
4. No rainfall event has been experienced over the country during the past 24 hours.
5. **Since no significant weather system prevails over the country and all the major rivers of Indus River System are currently flowing normal, hence, the FFC's Daily Weather & Flood Situation Report (DFSR) shall be discontinued effective 3rd October 2023 (Tuesday). However, all monitoring arrangements shall remain in position till 15th October 2022 to ensure regular monitoring of weather situation and rivers position. The issuance of DFSR shall be revitalized in case of any abnormal 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 & Environmental Coordination, Islamabad.
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 & Environmental Coordination, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad
9. Director General (Coord-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.

Distribution:

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 Deptt., Govt. of Khyber Pakhtunkhwa, 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, Govt. 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, Govt. 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 02-10-2023

Rivers and Reservoir Positions October 02, 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 |
| River Indus | | | | | | | | | |
| • Tarbela Reservoir | 1,500,000 | 604,000 | 30-7-2010 | 61,000 | 77,000 | 47,000 | 88,000 | Normal | 650,000 |
| • Kalabagh | 950,000 | 950,000 | 14-7-1942 | 74,000 | 66,000 | 99,000 | 91,000 | Normal | 650,000 |
| • Chashma Reservoir | 950,000 | 1,036,673 | 01-8-2010 | 111,000 | 91,000 | 109,000 | 105,000 | Normal | 650,000 |
| • Taunsa | 1,000,000 | 959,991 | 02-8-2010 | 83,000 | 62,000 | 111,000 | 90,000 | Normal | 650,000 |
| • Guddu | 1,200,000 | 1,199,672 | 15-8-1976 | 60,000 | 50,000 | 111,000 | 94,000 | Normal | 700,000 |
| • Sukkur | 900,000 | 1,161,000 | 16-8-1976 | 45,000 | 34,000 | 95,000 | 47,000 | Normal | 700,000 |
| • Kotri | 875,000 | 981,000 | 14-8-1956 | 114,000 | 83,000 | 42,000 | 8,000 | Normal | 650,000 |
| River Kabul | | | | | | | | | |
| • Warsak | 540,000 | | | | 11,000 | | 10,000 | Normal | 200,000 |
| • Nowshera | | | | | 17,000 | | 16,000 | Normal | 200,000 |
| River Swat | | | | | | | | | |
| • Chakdara Bridge | | | | | 5,000 | | 4,000 | Normal | 150,000 |
| • Munda (H. Works) | | | | | 4,000 | | 1,000 | Normal | 150,000 |
| • Charsadda Road | 150,000 | | | | 5,000 | | 1,000 | Normal | 100,000 |
| River Jhelum | | | | | | | | | |
| • Mangla Reservoir | 1,060,000 | 1,090,000 | 10-9-1992 | 10,000 | 17,000 | 11,000 | 32,000 | Normal | 225,000 |
| • Rasul | 850,000 | 952,170 | 10-9-1992 | 21,000 | NIL | 29,000 | 8,000 | Normal | 225,000 |
| River Chenab | | | | | | | | | |
| • Marala | 1,100,000 | 1,100,000 | 26-8-1957 | 21,000 | 4,000 | 18,000 | 6,000 | Normal | 400,000 |
| • Khanki | 1,100,000 | 1,086,460 | 27-8-1959 | 8,000 | NIL | 10,000 | 2,000 | Normal | 400,000 |
| • Qadirabad | 900,000 | 948,530 | 11-9-1992 | 17,000 | NIL | 19,000 | NIL | Normal | 400,000 |
| • Trimmu | 875,000 | 943,225 | 08-7-1959 | 29,000 | 11,000 | 19,000 | 1,000 | Normal | 450,000 |
| • Panjnad | 865,000 | 802,516 | 17-8-1973 | 11,000 | NIL | 34,000 | 17,000 | Normal | 450,000 |
| River Ravi | | | | | | | | | |
| • Jassar | 275,000 | 680,000 | 05-10-1955 | | 6,000 | | 3,000 | Normal | 150,000 |
| • Shahdara | 250,000 | 680,000 | 22-9-1988 | | 5,000 | | 7,000 | Normal | 135,000 |
| • Balloki | 380,000 | 336,200 | 28-9-1988 | 27,000 | NIL | 28,000 | NIL | Normal | 135,000 |
| • Sidhnai | 150,000 | 330,210 | 02-10-1988 | 20,000 | 2,000 | 17,000 | NIL | Normal | 90,000 |
| River Sutlej | | | | | | | | | |
| • G.S. Wala | | | | | | | 3,000 | Normal | |
| • Suleimanki | 325,000 | 598,872 | 08-10-1955 | 18,000 | 5,000 | 20,000 | 5,000 | Normal | 175,000 |
| • Islam | 332,000 | 492,581 | 11-10-1955 | 7,000 | 5,000 | 6,000 | 5,000 | 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) |
|---------------------------|--------------------------------------|-----------------------------------|--------------------------|---------|---------|--------------------|-----------|---------------|---|
| | | | 2021 | 2022 | 2023 | Maximum | Last Year | Today | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Tarbela | 1550.00 | 1402.00 | 1511.44 | 1548.10 | 1539.13 | 5.809 | 5.718 | 5.187 | 89.29 % |
| Chashma | 649.00 | 638.15 | 647.50 | 643.90 | 644.00 | 0.278 | 0.098 | 0.100 | 35.97 % |
| Mangla | 1242.00 | 1050.00 | 1186.70 | 1188.70 | 1224.85 | 7.356 | 3.656 | 6.038 | 82.08 % |
| Total Live Storage | | | | | | 13.443 | 9.472 | 11.325 | 84.24 % |

C. Skardu Temperature:

| Skardu Temperature | Last year 2022 | Today 2023 | Difference (+ / -) |
|--------------------|----------------|------------|----------------------|
| Maximum | 24.4 °C | 22.5 °C | - 1.9 °C |
| Minimum | 10.2 °C | 8.3 °C | - 1.9 °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.