



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
WEDNESDAY, JULY 10, 2024

River Kabul continues to flow in "Low Flood" in Warsak-Nowshera reach, although the floodwaters are receding. All other major rivers of the Indus River System (IRS) including the Indus, Jhelum, Chenab, Ravi & Sutlej are discharging normal flows. Inflows/ Outflows of major rivers at important control structures, storage position of reservoirs including Skardu temperature may be seen **Annexure-I**. Combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) as of today is **8.137 MAF (61.08% of Maximum Live Storage Capacity of 13.321 MAF)**.

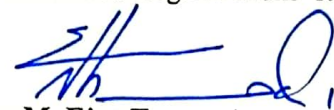
2. According to FFD, Lahore, Westerly Wave's trough earlier over northern parts of Pakistan today lies over Kashmir and adjoining areas which is likely to move away during the next 24 hours. Another fresh trough of Westerly Wave is now over northwestern Afghanistan. The wind pattern over Southwest Asia indicates moderate moisture incursion from the Arabian Sea, with directional convergence over the upper part of Pakistan up to 3000 feet. The moisture influx from the Arabian Sea is expected to strengthen during the next 24 hours, while moisture incursion from the Bay of Bengal is likely to remain cut off. At present, weak Seasonal Low locates over northeastern Balochistan and adjoining areas. Furthermore, monsoon trough is beginning to re-establish, with its axis extending from the seasonal low to the Bay of Bengal.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorms of **Moderate Intensity** over upper catchments of rivers Indus & Jhelum besides, isolated light rainfall in the catchments of rivers Chenab, Ravi & Sutlej. Scattered thunderstorm of **Moderate Intensity** may occur over **Islamabad, Punjab (Rawalpindi, Sargodha & Gujranwala Divisions) and Khyber Pakhtunkhwa Province** besides isolated thunderstorms of **Light Intensity** over **Punjab (Lahore, Multan & D.G. Khan Divisions), Southern & Southeastern Sindh and Balochistan (Zhob & Kalat Divisions)** during the same period.

4. According to FFD, Lahore, monsoon activity is likely to resurge during next 48 hours, and scattered thunderstorm rain of **Moderate Intensity with isolated Heavy Falls** are expected over **D.G. Khan Division (Punjab), northern & northeastern Punjab and Khyber Pakhtunkhwa Province** including upper catchments of all the major rivers of IRS.

5. Few rainfall events have been reported during the past 24 hours (**Annexure-II**).

6. PMD Islamabad through FFD, Lahore the main Apex Flood Forecasting body at the national level is closely monitoring the present weather system and is keeping all concerned organizations fully cognizant of the situation.


(Dr. M. Ejaz Tanveer)
Chief Engineer (Floods)
10/07/2024

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.

Distribution:

4. Minister for Climate Change & Environmental Coordination, Islamabad.
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. Chairman PCRWR, Ministry of Water Resources, Islamabad.
19. Director General, Pakistan Meteorological Department, Islamabad.
20. Member (Water), WAPDA, WAPDA House, Lahore.
21. Member (Infrastructure), Planning Commission, Islamabad.
22. Chief Secretary, Government of the Punjab, Lahore.
23. Chief Secretary, Government of Sindh, Karachi.
24. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
25. Chief Secretary, Government of Balochistan, Quetta.
26. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
27. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
28. Chief Commissioner, ICT, Islamabad.
29. Chairman, Capital Development Authority, Islamabad.
30. Commissioner, Rawalpindi.
31. Secretary, Irrigation Department, Government of the Punjab, Lahore.
32. Secretary, Irrigation Department, Government of Sindh, Karachi
33. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
34. Secretary, Irrigation Department, Government of Balochistan, Quetta.
35. Secretary, Irrigation and Water Management, Gilgit-Baltistan, Gilgit.
36. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
37. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
38. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
39. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
40. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
41. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
42. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
43. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
44. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
45. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
46. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
47. Managing Director, WASA, Rawalpindi.
48. Principal Information Officer, Press Information Department, Islamabad.
49. Director (News), Associated Press of Pakistan, Islamabad.
50. Director (News), Pakistan Television, Islamabad.
51. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
52. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2024, dated 10-07-2024

Rivers and Reservoir Positions July 10, 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 | 168,000 | 164,000 | 167,000 | 155,000 | Normal | 650,000 |
| • Kalabagh | 950,000 | 950,000 | 14-7-1942 | 210,000 | 203,000 | 197,000 | 189,000 | Normal | 650,000 |
| • Chashma Reservoir | 950,000 | 1,036,673 | 01-8-2010 | 235,000 | 225,000 | 217,000 | 211,000 | Normal | 650,000 |
| • Taunsa | 1,000,000 | 959,991 | 02-8-2010 | 266,000 | 201,000 | 209,000 | 180,000 | Normal | 650,000 |
| • Guddu | 1,200,000 | 1,199,672 | 15-8-1976 | 189,000 | 150,000 | 173,000 | 131,000 | Normal | 700,000 |
| • Sukkur | 900,000 | 1,161,000 | 16-8-1976 | 145,000 | 90,000 | 122,000 | 70,000 | Normal | 700,000 |
| • Kotri | 875,000 | 981,000 | 14-8-1956 | 65,000 | 30,000 | 31,000 | 2,000 | Normal | 650,000 |
| River Kabul | | | | | | | | | |
| • Warsak | 540,000 | | | | 29,000 | | 44,000 | Low Flood (F) | 200,000 |
| • Nowshera | | | | | 59,000 | | 70,000 | Low Flood (F) | 200,000 |
| River Swat | | | | | | | | | |
| • Chakdara Bridge | | | | | 14,000 | | 11,000 | Normal | 150,000 |
| • Munda (H. Works) | | | | | 18,000 | | 9,000 | Normal | 150,000 |
| • Charsadda Road | 150,000 | | | | 16,000 | | 20,000 | Normal | 100,000 |
| River Jhelum | | | | | | | | | |
| • Mangla Reservoir | 1,060,000 | 1,090,000 | 10-9-1992 | 54,000 | 10,000 | 30,000 | 27,000 | Normal | 225,000 |
| • Rasul | 850,000 | 952,170 | 10-9-1992 | 3,000 | NIL | 20,000 | 8,000 | Normal | 225,000 |
| River Chenab | | | | | | | | | |
| • Marala | 1,100,000 | 1,100,000 | 26-8-1957 | 184,000 | 168,000 | 70,000 | 38,000 | Normal | 400,000 |
| • Khanki | 1,100,000 | 1,086,460 | 27-8-1959 | 194,000 | 187,000 | 25,000 | 17,000 | Normal | 400,000 |
| • Qadirabad | 900,000 | 948,530 | 11-9-1992 | 175,000 | 160,000 | 26,000 | 10,000 | Normal | 400,000 |
| • Trimmu | 875,000 | 943,225 | 08-7-1959 | 35,000 | 21,000 | 46,000 | 31,000 | Normal | 450,000 |
| • Panjnad | 865,000 | 802,516 | 17-8-1973 | 22,000 | 8,000 | 22,000 | 8,000 | Normal | 450,000 |
| River Ravi | | | | | | | | | |
| • Jassar | 275,000 | 680,000 | 05-10-1955 | | 35,000 | | 2,000 | Normal | 150,000 |
| • Shahdara | 250,000 | 680,000 | 22-9-1988 | | 12,000 | | 16,000 | Normal | 135,000 |
| • Balloki | 380,000 | 336,200 | 28-9-1988 | 41,000 | 14,000 | 36,000 | 8,000 | Normal | 135,000 |
| • Sidhnai | 150,000 | 330,210 | 02-10-1988 | 22,000 | 7,000 | 22,000 | 6,000 | Normal | 90,000 |
| River Sutlej | | | | | | | | | |
| • Suleimanki | 325,000 | 598,872 | 08-10-1955 | 22,000 | 11,000 | 20,000 | 8,000 | Normal | 175,000 |
| • Islam | 332,000 | 492,581 | 11-10-1955 | 2,000 | 1,000 | 8,000 | 6,000 | Normal | 175,000 |

B. Reservoir Storage Position:

| Reservoir | Maximum Conservation Level (FL-AMSL) | Minimum Operating Level (FL-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 | 1471.24 | 1517.21 | 1518.52 | 5.766 | 4.014 | 4.054 | 70.31 % |
| Chashma | 649.00 | 638.15 | 644.70 | 647.00 | 648.50 | 0.278 | 0.186 | 0.253 | 91.01 % |
| Mangla | 1242.00 | 1050.00 | 1120.70 | 1195.85 | 1193.00 | 7.277 | 4.079 | 3.830 | 52.63 % |
| Total Live Storage | | | | | | 13.321 | 8.279 | 8.137 | 61.08 % |

C. Skardu Temperature:

| Skardu Temperature | Last year 2023 | Today 2024 | Difference (+ / -) |
|--------------------|----------------|------------|----------------------|
| Maximum | 24.7 °C | 31.2 °C | + 6.5 °C |
| Minimum | 14.3 °C | 15.4 °C | + 1.1 °C |

NOTES: "Mild" Categories

Low Flood:

Medium Flood:

High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas

River partly inundating river islands/belas

River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories

Very High Flood (VHF):

Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard

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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**DAILY WEATHER AND FLOOD SITUATION REPORT
WEDNESDAY JULY 10, 2024**

Significant Rainfall Events during the Past 24 Hours

| Sr. No. | City/Observatory | Rainfall (mm) |
|----------|---------------------------|--|
| A | Punjab | |
| 1. | Murree | 06 |
| B | Sindh | |
| 2. | Karachi | [Surjani Town=59, Airport=38, Orange Town=30, Gulshan-e-Hadeed=26, University Road=20, Faisal Base=16, Saadi Town=19, Quaidabad=12, North Karachi= 09] |
| 3. | Diplo | 24 |
| 4. | Tando Jam | 09 |
| 5. | Mithi & Islam Kot | 05 each |
| C | Khyber Pakhtunkhwa | |
| 6. | Malam Jabba | 56 |
| 7. | Dir | 12 |
| 8. | Kakul | 11 |
| 9. | Khawagoobo Bridge | 08 |
| 10. | Risalpur & Khaar-Bajaur | 07 each |

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