



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY, JULY 09, 2024

River Kabul is experiencing a mild category flood (**Low Flood**) in its Warsak-Nowshera reach. All other major rivers of the Indus River System (IRS) are flowing with normal discharges. **Annexure-I** provides details on the inflows and outflows of these major rivers, reservoir levels, current storage positions, and temperature recorded in Skardu at the time of reporting today. As of today, the country's major reservoirs have attained approximately 60% storage (40% of their storage capacity still available). The combined live storage capacity of the three major reservoirs (Tarbela, Chashma, & Mangla) stands at **8.067 MAF**, out of a total available live storage capacity of **13.321 MAF**.


2. According to FFD, Lahore, yesterday's trough of Westerly Wave over northwestern parts of Afghanistan has moved slightly eastwards and is now positioned over northern Pakistan whereas a weak Seasonal Low lies over northeastern Balochistan and adjoining areas. A mild moisture incursion from Bay of Bengal to upper parts of Pakistan up to 3000 feet is seen due to wind pattern over South Asia and the surrounding areas. The moisture influx from Arabian Sea is expected to intensify from 11th July 2024. Furthermore, no cyclonic activity is expected over the Bay of Bengal and Arabian sea during the next few days.

3. For the ensuing 24 hours, FFD, Lahore predicts no significant rainfall activity except for some isolated rainfall of light intensity over the upper catchments of all major rivers. During the same period, scattered thunderstorm of **Moderate Intensity** may occur over **D.G. Khan Division of Punjab and Southern Sindh**, besides, isolated thunderstorm/rain of light intensity over **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** and **Balochistan (Zhob, Sibi, Kalat & Nasirabad Divisions)**. Further to above, localized development of isolated thunderstorms/rain is expected over Lahore, Gujranwala, Sargodha, and Rawalpindi Divisions of Punjab during the next 24 hours.

4. Subdued rainfall activity is likely to continue until July 10, 2024, with a resurgence expected from July 11, 2024. Scattered thunderstorms with moderate rain and isolated heavy rainfall are expected over the upper catchments of all major rivers from July 12, 2024 (**Source: FFD, Lahore**).

5. A few rainfall events have been reported in the past 24 hours (Refer: **Annexure-II**).

6. Pakistan Meteorological Department (PMD), Islamabad, through its specialized Flood Forecasting Division (FFD) in Lahore, is actively monitoring the current weather system and ensuring all relevant organizations abreast of the situation.


(Dr. M. Ejaz Tanveer)
Chief 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.

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4. Minister for Climate Change & Environmental Coordination, Islamabad.
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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.
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30. Commissioner, Rawalpindi.
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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 09-07-2024

Rivers and Reservoir Positions
July 09, 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	160,000	165,000	180,000	105,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	233,000	225,000	217,000	209,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	239,000	225,000	225,000	220,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	212,000	189,000	218,000	193,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	188,000	152,000	170,000	129,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	139,000	85,000	115,000	64,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	60,000	30,000	25,000	1,000	Normal	650,000
River Kabul									
• Warsak	540,000				29,000		49,000	Low Flood (F)	200,000
• Nowshera					61,000		77,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge					14,000		9,000	Normal	150,000
• Munda(H. Works)					18,000		12,000	Normal	150,000
• Charsadda Road	150,000				16,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	70,000	10,000	43,000	20,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	15,000	12,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	93,000	77,000	59,000	28,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	74,000	66,000	36,000	28,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	54,000	32,000	25,000	6,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	46,000	32,000	44,000	28,000	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		6,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	13,000	38,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	21,000	8,000	19,000	3,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	20,000	10,000	20,000	8,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	6,000	4,000	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	1465.58	1517.66	1517.35	5.766	4.037	3.996	69.30 %
Chashma	649.00	638.15	644.10	646.90	648.50	0.278	0.183	0.253	91.01 %
Mangla	1242.00	1050.00	1118.80	1194.30	1192.80	7.277	3.986	3.818	52.47 %
Total Live Storage						13.321	8.206	8.067	60.56 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	18.3 °C	30.6 °C	+ 12.3 °C
Minimum	13.4 °C	14.4 °C	+ 1.0 °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)
A	Punjab	
1.	Sialkot	20
2.	Gujrat	12
B	Sindh	
3.	Mithi	14
4.	Padidan	08
5.	Karachi	07
C	Khyber Pakhtunkhwa	
6.	Parachinar	19
D	Balochistan	
7.	Zhob	07

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