



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  
SATURDAY, JULY 06, 2024

All major rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi, and Sutlej) are flowing at normal discharges except for the River Kabul, which is presently experiencing **Medium Flood** conditions at Nowshera and **Low Flood** conditions at Warsak. **Annexure-I** contains detailed information on the levels and storage positions of the country's major reservoirs, inflows/outflows of major rivers at key control points, and temperature at Skardu. The current combined live storage capacity of major reservoirs stands at **7.216 MAF**, which is **54.17%** of the total **13.321 MAF**.

2. According to FFD, Lahore, yesterday's marked Monsoon trough along the foothill of Himalayas, stretching from the Bay of Bengal to the catchments of eastern rivers still continues to persist. There is a moderate influx of moisture from the Arabian Sea and Bay of Bengal, moving towards upper catchments of all the major rivers, reaching heights of up to 5000 feet. This moisture influx is expected to diminish after 36 hours. Moreover, a strong trough of westerly wave persists over northern Pakistan and a seasonal low-pressure system is located over northeastern Balochistan and adjacent areas, with a central pressure below 990 hPa. Its trough extends northwards.


3. For the next 24 hours, FFD, Lahore, has predicted **widespread Moderate to Heavy** thunderstorm rain/showers over **Punjab and Khyber Pakhtunkhwa Provinces** including upper catchments of all the major rivers. Scattered thunderstorm rain is also expected over **Balochistan Province (Zhob, Sibi, Kalat and Nasirabad Divisions)** during the same period.

4. Details of prominent rainfall events reported in the past 24 hours may be seen in **Annexure-II**.

5. As per Flood Forecasting Division, Lahore, monsoon activity is likely to subside after 36 hours.

6. In light of the forecast of FFD Lahore, all Flood Management Organizations are cautioned to remain on **High Alert** and respond promptly to any issued warnings. This is essential to safeguard communities, especially those in low-lying areas, and to protect public and private properties, as well as irrigation and drainage networks and flood protection infrastructure.

7. Pakistan Meteorological Department (PMD), Islamabad, specifically through its specialized Flood Forecasting Division (FFD), Lahore, is actively monitoring the current weather system and ensuring all relevant organizations to remain well-informed about 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.

## **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 06-07-2024**

**Rivers and Reservoir Positions**  
**July 06, 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 (VHFF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	193,000	199,000	296,000	150,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	243,000	235,000	225,000	217,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	226,000	215,000	230,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	208,000	188,000	196,000	168,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	186,000	146,000	153,000	112,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	140,000	85,000	94,000	45,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	46,000	5,000	23,000	1,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				33,000		51,000	Low Flood (F)	200,000
• Nowshera					60,000		94,000	Medium Flood (S)	200,000
<b>River Swat</b>									
• Chakdara Bridge					14,000		11,000	Normal	150,000
• Munda (H. Works)					16,000		16,000	Normal	150,000
• Charsadda Road	150,000				14,000		23,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	55,000	10,000	81,000	25,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	14,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	79,000	54,000	92,000	60,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	59,000	52,000	65,000	57,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	67,000	45,000	76,000	56,000	Normal	400,000
• Trimnu	875,000	943,225	08-7-1959	29,000	12,000	36,000	18,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	26,000	11,000	13,000	NIL	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	9,000	35,000	8,000	Normal	135,000
• Sidhni	150,000	330,210	02-10-1988	18,000	2,000	18,000	2,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	18,000	5,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	3,000	2,000	3,000	1,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1445.30	1513.50	1503.82	5.766	3.825	3.336	57.86 %
Chashma	649.00	638.15	640.80	645.90	648.50	0.278	0.150	0.253	91.01 %
Mangla	1242.00	1050.00	1113.70	1188.00	1189.60	7.277	3.617	3.627	49.84 %
<b>Total Live Storage</b>						<b>13.321</b>	<b>7.592</b>	<b>7.216</b>	<b>54.17 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference ( + / - )
Maximum	25.3 °C	30.3 °C	+ 5.0 °C
Minimum	15.4 °C	17.4 °C	+ 2.0 °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)
<b>A Punjab</b>		
1.	Gujranwala	[Sheranwala Bagh=112, Liaqat Bagh=106, Peoples Colony=101, Model Town = 97 & Satellite Town=42]
2.	Islamabad	[Saidpur=54, PMD Headquarters=48, Chaklala (Airbase)=44, Shamsabad =38 Katcheri (Chaklala)=34 Bokra=29, New Airport=27 & Golra=14]
3.	Jhelum	54
4.	Lahore	[Airport = 50, Taj Pura & Shahdara=45 each, Iqbal Town = 44, Shahi Qilla=43, Gulshan-e-Ravi=42, Mughal Pura=40 Luckshami=39, Upper Mall=38, Samanabad & Township=35 each, Misri Shah=33, Gulburg=28, Qurtba Chock=25, City=17 & Johar Town=16]
5.	Mianwali (Airbase) & Kallar	46
6.	Sialkot	[Airport=43 & Cantt=41]
7.	Murree	40
8.	Kasur	38
9.	Sheikhupura & Mangla	31 each
10.	Gujrat & Kamra (Airbase)	23 each
11.	Mandi-Bahauddin	16
12.	Narowal	15
13.	Hafizabad & Okara	14 each
14.	Attock	10
<b>B Khyber Pakhtunkhwa</b>		
15.	Phulra	37
16.	Risalpur	28
17.	Daggar & Balakot	22 each
18.	Tarbela	13
19.	Besham	11
20.	Saidu Sharif	10
<b>C AJ&amp;K</b>		
21.	Palandri	55
22.	Panjera	33
23.	Kotli	22
24.	Domel	20
25.	Baba Shah Jalal	13
26.	Rawalakot	12
27.	Bandi Abbaspur	11

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