



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](http://www.ffc.gov.pk)

FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
THURSDAY, SEPTEMBER 19, 2024

There is no flood situation anywhere in the country at present, as all major rivers of Indus River System are experiencing normal flows. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) totals 11.550 MAF, which represents 86.49% of the total available capacity of 13.354 MAF. For detailed information on river flows at specified locations, major reservoir levels, storage status, and temperature data at Skardu, Annexure I is referred.

2. According to the FFD Lahore, yesterday's Well-Marked-Low has weakened into Low, moved westwards and today lies over north Madhya Pradesh (India). At present, mild moist currents from Bay of Bengal are penetrating into upper catchments of rivers Sutlej, Ravi and Chenab up to 3000 feet.
3. For the ensuing 24 hours, FFD, Lahore has predicted mainly dry weather over most parts of the country. However, isolated thunderstorm rain of light intensity may occur over Gujranwala, Lahore and Bahawalpur Divisions of Punjab including upper catchments of rivers Sutlej, Ravi and Chenab. No Significant rainfall event has been reported during the past 24 hours.
4. For the next 48 hours, no significant change is expected in the prevailing weather system. Monsoon activity is likely to rebuild significantly at the end of September 2024, however no flood generating rainfall is expected over the upper catchment of all major rivers of IRS.
5. Pakistan Meteorological Department, Islamabad is closely monitoring the prevailing weather system through its specialized Flood Forecasting Unit (FFD, Lahore) and is keeping all concerned organizations fully cognizant of the situation.

(Ather Hameed)

Engineering Advisor (Civil)  
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.
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, Ministry of Planning, Development & Special Initiatives, 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.

## **Distribution:**

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

**U.O. No. FC-I (31)/2024, dated 19-09-2024**

**Rivers and Reservoir Positions  
September 19, 2024 at 0600 Hours**

(Discharge in Cusecs)

**A. River Flow Situation:**

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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	139,000	129,000	82,000	104,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	153,000	145,000	122,000	115,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	151,000	145,000	151,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	137,000	119,000	132,000	111,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	123,000	98,000	123,000	91,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	88,000	38,000	83,000	37,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	44,000	15,000	89,000	62,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				16,000		12,000	Normal	200,000
• Nowshera					34,000		22,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Munda( H. Works)					4,000		2,000	Normal	150,000
• Charsadda Road	150,000				3,000		1,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	12,000	31,000	15,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	39,000	20,000	36,000	16,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	52,000	22,000	25,000	5,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	38,000	30,000	8,000	2,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	45,000	23,000	20,000	NIL	Normal	400,000
• Trimnu	875,000	943,225	08-7-1959	52,000	39,000	18,000	4,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	1,000	25,000	10,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		7,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		9,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	15,000	36,000	12,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	26,000	8,000	20,000	4,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	21,000	8,000	10,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	2,000	NIL	2,000	NIL	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	1550.00	1548.02	1542.12	5.766	5.695	5.313	92.14 %
Chashma	649.00	638.15	648.60	643.10	647.80	0.311	0.080	0.249	80.06 %
Mangla	1242.00	1050.00	1193.00	1234.10	1225.25	7.277	6.735	5.988	82.29 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>12.510</b>	<b>11.550</b>	<b>86.49 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	28.4 °C	27.3 °C	- 1.1 °C
Minimum	13.2 °C	8.3 °C	- 4.9 °C

**NOTE-1: "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

**NOTE-2: "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

**NOTE-3: \* 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"

\* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

**NOTE-4:** Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.