



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**  
**WEDNESDAY, SEPTEMBER 11, 2024**

Flood flows in the Indus River, which began on July 29, 2024, have now completely receded across all control structures, and there is no Flood Situation in the Indus River presently. The other major rivers in the Indus River System (Jhelum, Chenab, Ravi and Sutlej) are also discharging normal flows. For detailed information on river inflows and outflows, reservoir storage status, and the temperature in Skardu as of 0600 hours today, Annexure-I is referred.

2. The combined live storage of the country's major reservoirs (Tarbela, Chashma, and Mangla) as of today is 12.267 MAF, representing 91.86% of the total available live storage capacity of 13.354 MAF. Since August 19, 2024, Tarbela Reservoir has been maintaining its Maximum Conservation Level (MCL) of 1550.00 feet. The water level in the Mangla Reservoir continues to rise and has reached an elevation of 1228.35 feet today, which is just 13.65 feet short of its MCL of 1242 feet. The management of Tarbela Dam is continuously observing reservoir operations adhering to the approved SOPs and Dam Safety Guidelines.


3. According to the FFD, Lahore, yesterday's Depression over Central Chhattisgarh (India) today lies over east Madhya Pradesh (India). A trough of Westerly Wave (weak) today lies over northern parts of Pakistan whereas Seasonal Low lies over Northeastern Balochistan. Moderate to strong pressure gradient lies over northern Afghanistan and adjoining Pakistan which may decrease temperatures over northern parts of Pakistan during the next few days. At present, Light-moist currents from both the Arabian Sea and Bay of Bengal are penetrating into Southern Punjab up to 5,000 feet.

4. For the next 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of Moderate Intensity over Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur & DG Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) including upper catchments of all major rivers of IRS. The rainfall events of light-moderate intensity have been reported by FFD, Lahore during the past 24 hours include for Punjab (Hafizabad= 08 mm, Narowal = 06 mm & Mandibahauddin = 05 mm), Khyber Pakhtunkhwa (Takht Bai = 11 mm & Kakul = 9 mm) and Balochistan (Barkhan=09 mm).

5. No significant change is expected over most parts of the country during the next 48 hours. Nonetheless, scattered to widespread thunderstorm rain of Moderate to Heavy Intensity is expected over upper catchments of rivers Sutlej and Beas during the same period (Source: FFD, Lahore).

6. For the extended period (12<sup>th</sup> September to 18<sup>th</sup> September 2024), scattered to widespread thunderstorm rain is expected over upper catchments of rivers Sutlej and Beas from 12<sup>th</sup> September 2024 whereas a trough of Westerly Wave is likely to affect the upper catchments of rivers Kabul, Indus and Jhelum during 14<sup>th</sup> September to 15<sup>th</sup> September 2024.

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.

  
(Zafar Iqbal)  
Superintending 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.

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. 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, Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of KP, 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 11-09-2024**



**Rivers and Reservoir Positions**  
September 11, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	107,000	117,000	100,000	98,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	152,000	144,000	138,000	132,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	160,000	151,000	159,000	140,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	142,000	118,000	128,000	103,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	145,000	116,000	175,000	149,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	114,000	59,000	150,000	118,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	73,000	63,000	191,000	176,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				16,000		17,000	Normal	200,000
• Nowshera					23,000		28,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					5,000		6,000	Normal	150,000
• Munda( H. Works)					3,000		3,000	Normal	150,000
• Charsadda Road	150,000				2,000		3,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	14,000	36,000	20,000	20,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	39,000	20,000	17,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	42,000	12,000	41,000	12,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	18,000	9,000	15,000	7,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	25,000	3,000	20,000	2,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	17,000	1,000	33,000	23,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	40,000	23,000	58,000	46,000	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		27,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	33,000	7,000	36,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	21,000	4,000	25,000	10,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	17,000	2,000	16,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	8,000	6,000	7,000	5,000	Normal	175,000

**B. Reservoir Storage Position:**

Reservoir	Maximum Conservation Level (FI-AMSL)	Minimum Operating Level (FI-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	1546.65	1550.00	5.766	5.616	5.766	100 %
Chashma	649.00	638.15	648.60	644.20	648.50	0.311	0.105	0.285	91.64 %
Mangla	1242.00	1050.00	1191.80	1239.05	1228.35	7.277	7.119	6.216	85.42 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>12.840</b>	<b>12.267</b>	<b>91.86 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /- )
Maximum	30.6 °C	28.5 °C	- 2.1 °C
Minimum	10.4 °C	15.4 °C	+ 5.0 °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.