



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**  
**SUNDAY, SEPTEMBER 15, 2024**

All major rivers of the Indus River System (the Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing Normal and there is no flood situation in any part of the country. For detailed information on the discharge of these rivers at designated control structures, as well as the current storage levels of the country's major reservoirs and the temperature in Skardu, **Annexure-I** may be referred.

2. Water level at Tarbela Reservoir which had maintained its Maximum Conservation Level (MCL) of 1550.00 feet for 25 days (i.e. from 19<sup>th</sup> August to 12<sup>th</sup> September 2024) has further been reduced to 1546.49 feet. This decline is due to reduced inflows and increased outflows to meet irrigation requirements. Meanwhile, the water level at Mangla Reservoir is 1228.05 feet which is 13.95 feet below its MCL of 1242 feet. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) stands at 11.943 MAF which is 89.43 % of the total available live storage capacity of 13.354 MAF.

3. According to the FFD Lahore, yesterday's trough of Westerly Wave over Northern parts of Pakistan has moved away eastwards, whereas yesterday's Depression over west Bangladesh has moved westward and today lies over West Bengal (India) as Deep Depression. Light Moist Currents from the Arabian Sea are penetrating the lower half of the country up to 3000 feet with Seasonal Low lying over Northeastern Balochistan.

4. For the ensuing 24 hours, FFD Lahore has forecasted isolated thunderstorm rain of **Light Intensity** over Punjab (Lahore & D.G Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions) and Balochistan (Zhob, Sibbi & Nasirabad Divisions) including the upper catchments of Rivers Indus and Kabul.

5. As per FFD Lahore, mainly dry weather is expected over most parts of the country for the next 48 hours. Few rainfall events reported during the past 24 hours are D.G Khan =16 mm & Chitral = 05 mm.

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

(Mr. 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.

**Distribution:**

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.
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 15-09-2024**

**Rivers and Reservoir Positions**  
September 15, 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	139,000	101,000	94,000	122,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	130,000	122,000	172,000	165,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	148,000	143,000	160,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	142,000	124,000	136,000	110,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	132,000	101,000	139,000	113,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	98,000	46,000	110,000	67,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	42,000	1,000	149,000	132,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				17,000		16,000	Normal	200,000
• Nowshera					21,000		29,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Munda (H. Works)					3,000		5,000	Normal	150,000
• Charsadda Road	150,000				2,000		4,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	15,000	39,000	20,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	36,000	16,000	27,000	8,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	64,000	33,000	28,000	5,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	46,000	38,000	9,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	47,000	25,000	22,000	10,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	20,000	4,000	20,000	6,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	1,000	45,000	31,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		9,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		29,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	12,000	30,000	12,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	23,000	5,000	21,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	19,000	4,000	12,000	1,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	3,000	1,000	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	1545.43	1546.49	5.766	5.546	5.564	96.50 %
Chashma	649.00	638.15	648.60	644.10	646.30	0.311	0.103	0.185	59.49 %
Mangla	1242.00	1050.00	1192.95	1236.05	1228.05	7.277	6.887	6.194	85.12 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>12.536</b>	<b>11.943</b>	<b>89.43 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	32.4 °C	23.6 °C	- 8.8 °C
Minimum	14.6 °C	8.2 °C	- 6.4 °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.