



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
THURSDAY, SEPTEMBER 05, 2024

Indus River continues to flow in “Medium Flood” at Kotri Barrage while experiencing “Low Flood” at Guddu Barrage. Rest of the major rivers of the Indus River System (IRS) i.e. Jhelum, Chenab, Ravi and Sutlej are discharging normal flows. Detailed information regarding river flow situation and reservoir storage position is provided at **Annexure-I**.

2. Tarbela Reservoir is maintaining its Maximum Conservation Level (MCL) of **1550 feet** since the last eighteen (18) days. In contrast, Mangla Reservoir is currently at an elevation of **1225.60 feet**, which is **16.40 feet** below its MCL: **1242 feet**. Combined live storage of the country's major reservoirs (Tarbela, Chashma, and Mangla) stands at **12.065 MAF**, which is **90.35%** of the total storage capacity of **13.354 MAF**. Tarbela Dam management is ensuring regulation of reservoir in accordance with the approved SOPs and Dam Safety Guidelines.

3. According to the FFD, Lahore, yesterday's Low Pressure Area over Southeastern Rajasthan (India) has become insignificant. Also, shallow Westerly Wave trough persists over Northern Afghanistan with weak Seasonal Low lies over Balochistan. Further, light moist currents from the Bay of Bengal were penetrating into upper parts of Pakistan at the reporting time today.

4. For the next 24 hours, FFD Lahore has predicted mainly dry weather over most parts of the country. Nonetheless, isolated thunderstorm rain of light intensity is expected over upper catchments of all major rivers of IRS. No significant monsoon activity is anticipated in the next 48 hours. Additionally, no rainfall has been reported for the past 24 hours.

5. PMD, Islamabad through its specialized Flood Forecasting Unit (FFD, Lahore) is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant 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.
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.

Distribution:

12. Chairman, National Disaster Management Authority, Islamabad.
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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.
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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 K.P, 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 05-09-2024

Rivers and Reservoir Positions
September 05, 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 (VII) 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	147,000	145,000	151,000	155,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	168,000	160,000	191,000	185,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	177,000	159,000	232,000	208,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	112,000	93,000	203,000	179,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	142,000	109,000	231,000	201,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	122,000	68,000	195,000	160,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	170,000	128,000	321,000	314,000	Med Flood (F)	650,000
River Kabul									
• Warsak	540,000				20,000		20,000	Normal	200,000
• Nowshera					25,000		35,000	Normal	200,000
River Swat									
• Chakdara Bridge					6,000		5,000	Normal	150,000
• Munda (H. Works)					4,000		8,000	Normal	150,000
• Charsadda Road	150,000				4,000		6,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	16,000	14,000	40,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	8,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	46,000	17,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	19,000	11,000	48,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	25,000	5,000	54,000	36,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	75,000	65,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	77,000	60,000	57,000	47,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	14,000	45,000	19,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	23,000	6,000	26,000	13,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	23,000	9,000	15,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	42,000	40,000	7,000	5,000	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	1550.00	1550.00	1550.00	5.766	5.809	5.766	100 %
Chashma	649.00	638.15	648.60	649.00	648.50	0.311	0.278	0.285	91.64 %
Mangla	1242.00	1050.00	1189.20	1242.00	1225.60	7.277	7.356	6.014	82.64 %
Total Live Storage						13.354	13.443	12.065	90.35 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	24.6 °C	25.6 °C	+ 1.0 °C
Minimum	13.4 °C	10.4 °C	- 3.0 °C

NOTE-1: "Mild" Categories

Low Flood:

Medium Flood:

High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas

River partly inundating river islands/belas

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):

Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard

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 & 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.