



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
MONDAY, SEPTEMBER 09, 2024

Due to higher temperature in the catchment areas (Skardu) in July 2024, the River Indus has been experiencing high flows since **July 29, 2024**. The inflows have now receded significantly. The Indus River is flowing in **Low Flood** at **Kotri Barrage** (the last control structure before the river enters into the Arabian Sea). Meanwhile, the other major rivers in the Indus River System i.e. Rivers Jhelum, Chenab, Ravi and Sutlej are discharging normal flows. **Annexure-I** provides detailed information on the inflows and outflows of these rivers, the storage position of the country's major reservoirs, and the temperature of Skardu as of 0600 hours today.

2. Since **August 19, 2024**, Tarbela Reservoir has consistently maintained its Maximum Conservation Level (MCL) of **1550.00 feet**. Meanwhile, the water level in the Mangla Reservoir has been rising gradually, reaching an elevation of **1428 feet** today, which is **14 feet** below its MCL of 1242 feet. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) currently stands at **12.242 MAF**, which is **91.67%** of the total storage capacity of **13.354 MAF**. Tarbela Dam Management is advised to regulate the reservoir with utmost care, following the approved SOPs and Dam Safety Guidelines, to ensure protection of downstream areas in the event of high flows.

3. According to the FFD, Lahore, yesterday's Well Marked Low Pressure Area over northwestern Bay of Bengal and adjoining areas has remained stationary, however it has intensified into **Deep Depression**. A fresh trough of weak Westerly Wave lies over the northwestern Afghanistan whereas Seasonal Low lies over northwestern Balochistan. At present, moist currents from both Bay of Bengal and Arabian Sea are cut off.

4. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of light intensity over DG Khan Division of Punjab including upper catchments of all major rivers of IRS. No significant change is expected in the prevailing weather condition during the next 48 hours. No rainfall activity has been reported during past 24 hours.

5. For the extended period from September 10 to September 16, 2024, scattered to Widespread thunderstorm rain is expected over upper catchment of river Sutlej from 12th September 2024. However, no significant monsoon activity is expected over upper catchment of other rivers (**Source: FFD's Weekly Weather Outlook**).

6. PMD, Islamabad through Flood Forecasting Unit (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

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2. Minister for Water Resources, Islamabad.
3. Minister for Planning, Development & Special Initiatives, Islamabad.
4. Minister for Climate Change & Environmental Coordination, Islamabad.

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19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
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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 K.P, 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.
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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 09-09-2024



Rivers and Reservoir Positions
September 09, 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	97,000	139,000	123,000	127,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	118,000	110,000	152,000	146,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	163,000	150,000	188,000	163,000	Normal	650,000
• Tanesa	1,000,000	959,991	02-8-2010	139,000	113,000	157,000	132,000	Normal	650,000
• Gauda	1,200,000	1,199,672	15-8-1976	148,000	121,000	208,000	177,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	104,000	51,000	173,000	131,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	78,000	37,000	241,000	231,000	Low Flood (F)	650,000
River Kabul									
• Warsak	540,000				15,000		18,000	Normal	200,000
• Nowshera					23,000		30,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Mandu (H. Works)					4,000		5,000	Normal	150,000
• Charsadda Road	150,000				3,000		4,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	9,000	36,000	28,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	34,000	16,000	4,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	37,000	6,000	37,000	8,000	Normal	400,000
• Khaniki	1,100,000	1,086,460	27-8-1959	12,000	4,000	18,000	11,000	Normal	400,000
• Quairabad	900,000	948,530	11-9-1992	17,000	NIL	18,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	21,000	8,000	45,000	35,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	58,000	42,000	63,000	50,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	9,000	44,000	17,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	22,000	4,000	26,000	12,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	19,000	4,000	18,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	11,000	9,000	7,000	5,000	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	1550.00	1549.21	1550.00	5.766	5.764	5.766	100 %
Chashma	649.00	638.15	648.60	646.20	648.50	0.311	0.160	0.285	91.64 %
Mangla	1242.00	1050.00	1191.30	1240.35	1228.00	7.277	7.222	6.191	85.08 %
Total Live Storage						13.354	13.146	12.242	91.67 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	28.7 °C	26.4 °C	- 2.3 °C
Minimum	11.3 °C	11.2 °C	- 0.1 °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 & 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.