



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
TUESDAY, SEPTEMBER 10, 2024

At present, River Indus is experiencing **Low Flood** at **Kotri Barrage**, which is the last control structure before the Indus River flows into the Arabian Sea. Upstream of Kotri Barrage, the River Indus along with other major rivers in the Indus River System (Jhelum, Chenab, Ravi, and Sutlej) is maintaining a normal flow regime. For detailed information on the inflows and outflows of these rivers, storage status of the country's major reservoirs and the temperature in Skardu as of 0600 hours today, **Annexure-I** is referred.

2. Tarbela Reservoir has consistently maintained its Maximum Conservation Level (MCL) of **1550.00 feet** since **August 19, 2024**. The water level in the Mangla Reservoir today stands at **1228.30 feet**, which is **13.70 feet** below its MCL of **1242 feet**. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) currently totals **12.264 MAF**, which represents **91.84%** of the total available live storage capacity of **13.354 MAF**. The management of Tarbela Dam is ensuring the regulation of reservoir in accordance with approved SOPs and Dam Safety Guidelines.

3. According to the FFD, Lahore, yesterday's **Deep Depression** over northwest Bay of Bengal (India) has moved north-westwards and today lies over Central Chhattisgarh (India) as **Depression** whereas an anti-cyclonic circulation has developed over Punjab. Trough of weak Westerly Wave earlier over northwestern Afghanistan today lies over northeastern Afghanistan while Marked Seasonal Low lies over northeastern Balochistan. At present, light moist currents from both Arabian Sea and Bay of Bengal are penetrating into upper part of Pakistan. Moreover, a strong pressure gradient lies over northern Afghanistan and adjoining Pakistan which may decrease temperatures over northern parts of Pakistan during next few days.

4. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore & DG Khan Division) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & DI Khan Divisions)** including upper catchments of all major rivers of IRS.

5. No significant change has been predicted in the prevailing weather system during the next 48 hours. No rainfall activity has also been reported during past 24 hours.

6. For the extended period (September 11 to 17, 2024), scattered to widespread thunderstorm rain is expected over the upper catchments of river Sutlej and Beas from 12th September 2024. However, no significant monsoon activity is expected over the upper catchments of other major rivers of IRS (**Source: FFD, Lahore**).

7. Pakistan MD, 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

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.

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4. Minister for Climate Change & Environmental Coordination, Islamabad.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
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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 10-09-2024



Rivers and Reservoir Positions
September 10, 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	101,000	125,000	115,000	126,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	152,000	144,000	137,000	131,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	163,000	150,000	152,000	136,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	141,000	115,000	143,000	118,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	153,000	126,000	194,000	167,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	114,000	59,000	162,000	119,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	75,000	33,000	214,000	201,000	Low Flood (F)	650,000
River Kabul									
• Warsak	540,000				15,000		18,000	Normal	200,000
• Nowshera					24,000		29,000	Normal	200,000
River Swat									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Munda (H. Works)					3,000		3,000	Normal	150,000
• Charsadda Road	150,000				2,000		3,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	13,000	36,000	23,000	20,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	35,000	16,000	7,000	NIL	Normal	225,000
River Chenab									
• 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	14,000	6,000	19,000	11,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	18,000	NIL	15,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	20,000	7,000	37,000	26,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	51,000	34,000	58,000	46,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		7,000		4,000	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	33,000	7,000	41,000	14,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	21,000	4,000	26,000	12,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	19,000	4,000	17,000	5,000	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 (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	1547.90	1550.00	5.766	5.688	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	1191.40	1239.70	1228.30	7.277	7.170	6.213	85.38 %
Total Live Storage						13.354	12.963	12.264	91.84 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	29.2 °C	28.6 °C	- 0.6 °C
Minimum	9.3 °C	12.5 °C	+ 3.2 °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.