



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
FRIDAY, SEPTEMBER 27, 2024

All major rivers in the Indus River System are currently in "Normal Flow Condition", hence there is no flood condition in the country. The combined live storage of the major reservoirs (Tarbela, Chashma and Mangla) has been steadily decreasing and now standing at **10.611 MAF (79.46%)** as compared to the maximum capacity of **13.354 MAF**. The peak storage during this Monsoon Season was **12.267 MAF** on **September 11, 2024**. This decline is primarily due to ongoing dry weather since **September 15, 2024**. Detailed discharge data for the major rivers, water levels in the reservoirs and temperature data of Skardu can be found in **Annexure-I**.

2. According to the FFD Lahore, a trough of Westerly Wave lies over northern parts of Pakistan whereas Seasonal Low lies over Northeastern Balochistan. At present, moderate moist currents from both Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan up to 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered wind thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal & DG Khan Divisions) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & DI Khan Divisions) including upper catchments of all major rivers of IRS. Some good rains have been reported during the past 24 hours over Punjab, ICT, Khyber Pakhtunkhwa and AJ&K. Details may be seen at **Annexure-II**.

4. For the extended period from 28th September to 04th October, 2024, scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** is expected over the upper catchments of all major rivers of IRS during the next 48 hours, however after 48 hours mainly dry weather is expected.

5. 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.

(Zafar Iqbal)

Superintending Engineer (Floods-I)
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, 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.

Distribution:

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 27-09-2024



Rivers and Reservoir Positions September 27, 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	70,000	78,000	104,000	82,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	116,000	108,000	88,000	81,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	124,000	119,000	112,000	107,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	123,000	103,000	119,000	102,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	133,000	105,000	111,000	87,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	48,000	78,000	35,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	39,000	1,000	53,000	23,000	Normal	650,000
River Kabul									
• Warsak	540,000				12,000		9,000	Normal	200,000
• Nowshera					20,000		19,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		4,000	Normal	150,000
• Munda(H. Works)					2,000		3,000	Normal	150,000
• Charsadda Road	150,000				1,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	13,000	28,000	16,000	41,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	28,000	8,000	37,000	16,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	26,000	4,000	35,000	6,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	1,000	8,000	2,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	18,000	NIL	20,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	11,000	25,000	9,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	41,000	23,000	17,000	2,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	12,000	31,000	6,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	31,000	13,000	16,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	27,000	14,000	13,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	14,000	12,000	2,000	NIL	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	1544.91	1536.15	5.766	5.516	4.979	86.35 %
Chashma	649.00	638.15	648.10	646.00	644.30	0.311	0.153	0.121	38.91 %
Mangla	1242.00	1050.00	1190.85	1228.70	1218.70	7.277	6.322	5.511	75.73 %
Total Live Storage						13.354	11.991	10.611	79.46 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	20.2 °C	29.8 °C	+ 9.6 °C
Minimum	6.8 °C	13.2 °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 & 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.

2

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Islamabad	142
2.	Mangla	95
3.	Jhelum	69
4.	Gujrat	31
5.	Sialkot	27
6.	Chakwal	23
7.	Attock	14
8.	Kamra & Mandibahauddin	12 each
9.	Murree	11
10.	Hafizabad	07
B	Khyber Pakhtunkhwa	
11.	Daggar	128
12.	Tarbela	64
13.	Lower Dir	38
14.	Besham	34
15.	Bosak Bridge & Saidu Sharif	30 each
16.	Khaar-Bajaur	14
17.	Cherat	12
18.	Kalam & Malam Jabba	09 each
19.	Shinkiari & Balakot	07 each
20.	Risalpur & Pattan	06 each
21.	Phulra	05
C	AJ&K	
22.	Palandri	16
23.	Muzaffarabad	09
24.	Domel	08
25.	Rawalakot	07

Source: FFD, Lahore (Phone No. 042 99200139)

02