



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
SATURDAY, SEPTEMBER 21, 2024

Due to the subdued monsoon activity, all major rivers i.e. Indus, Jhelum, Chenab, Ravi, and Sutlej have been discharging 'Normal Flows' since September 11, 2024. Consequently, there is no flood situation in the country at present. As of today, the combined live storage of the country's three major reservoirs (Tarbela, Chashma and Mangla) is **11.245 MAF** which is **84.21%** of their total available live storage capacity of **13.354 MAF**. For detailed discharge data of major rivers, reservoirs water levels, storage status and temperature data of Skardu, **Annexure-I** may be referred.

2. According to the FFD Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. Seasonal Low presently lies over Balochistan and no significant change in weather has been predicted by the FFD, Lahore for ensuing 48 hours.
3. As per the weekly Significant Weather Outlook of FFD Lahore for **September 22-28, 2024**, scattered thunderstorm rain of moderate intensity is expected over upper catchments of all major rivers (the Indus, Jhelum, Chenab, Ravi and Sutlej rivers) from **26th September 2024** onward. Nevertheless, no flood situation is expected in the major rivers during this period.
4. Pakistan Meteorological Department, 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.

(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.
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.

Distribution:

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 21-09-2024

Rivers and Reservoir Positions September 21, 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	121,000	79,000	79,000	114,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	144,000	136,000	97,000	90,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	149,000	145,000	143,000	138,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	137,000	117,000	133,000	113,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	115,000	91,000	114,000	88,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	90,000	41,000	81,000	37,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	40,000	20,000	65,000	36,000	Normal	650,000
River Kabul									
• Warsak	540,000				15,000		9,000	Normal	200,000
• Nowshera					23,000		19,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		5,000	Normal	150,000
• Munda(H. Works)					3,000		1,000	Normal	150,000
• Charsadda Road	150,000				2,000		1,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	16,000	31,000	15,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	32,000	12,000	40,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	38,000	8,000	24,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	17,000	9,000	10,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	32,000	11,000	20,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	27,000	15,000	23,000	9,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	29,000	12,000	22,000	8,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		31,000		8,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	47,000	19,000	29,000	5,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	27,000	9,000	24,000	8,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	23,000	10,000	13,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	4,000	3,000	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	1548.47	1539.91	5.766	5.721	5.186	89.94 %
Chashma	649.00	638.15	648.60	644.90	646.40	0.311	0.123	0.189	60.77 %
Mangla	1242.00	1050.00	1192.75	1232.90	1223.65	7.277	6.642	5.870	80.67 %
Total Live Storage						13.354	12.486	11.245	84.21 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	29.6 °C	27.6 °C	- 2.0 °C
Minimum	14.3 °C	9.2 °C	- 5.1 °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.