



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 20, 2024

All major rivers of the Indus River System (IRS) are currently experiencing normal flows, hence there is no flood situation anywhere in the country. The combined live storage in the major reservoirs (Tarbela, Chashma and Mangla) stands at 11.388 MAF, which is 85.28% of total live storage capacity of 13.354 MAF. For detailed discharge data of the major rivers, reservoir levels, storage status, and temperature data of Skardu Annexure-I is referred.

2. According to the FFD Lahore, yesterday's Low-Pressure Area over north Madhya Pradesh (India) has become insignificant for Pakistan. Also moist currents from both Bay of Bengal and Arabian Sea are presently cut off. Under the prevailing meteorological conditions, mainly dry weather has been predicted over most parts of the country during the next 24 hours. No Significant rainfall event has been reported during the past 24 hours.
3. For the next 48 hours, no significant change is expected in the prevailing weather system, however, scattered thunderstorm rain of Moderate Intensity is expected over the upper catchments of all major rivers of IRS from 26<sup>th</sup> September 2024.
4. Pakistan Meteorological Department, Islamabad through its specialized Flood Forecasting Unit (FFD, Lahore), is continuously monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.



(Ather Hameed)

Engineering Advisor (Civil)  
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

**Distribution:**

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 20-09-2024**

**Rivers and Reservoir Positions**  
**September 20, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	123,000	98,000	76,000	96,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	151,000	143,000	123,000	115,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	151,000	145,000	150,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	137,000	118,000	132,000	111,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	118,000	94,000	116,000	86,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	94,000	43,000	83,000	37,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	41,000	20,000	67,000	39,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				16,000		13,000	Normal	200,000
• Nowshera					25,000		21,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					4,000		5,000	Normal	150,000
• Munda (H. Works)					4,000		2,000	Normal	150,000
• Charsadda Road	150,000				3,000		1,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	16,000	31,000	16,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	28,000	8,000	36,000	16,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	47,000	17,000	24,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	21,000	13,000	10,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	38,000	16,000	20,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	38,000	26,000	24,000	10,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	22,000	5,000	25,000	10,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		9,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		34,000		8,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	44,000	18,000	33,000	9,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	26,000	9,000	22,000	6,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	23,000	10,000	12,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	2,000	1,000	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	1548.35	1540.98	5.766	5.714	5.247	91.00 %
Chashma	649.00	638.15	648.60	644.30	647.00	0.311	0.108	0.212	68.17 %
Mangla	1242.00	1050.00	1192.95	1233.50	1224.45	7.277	6.689	5.929	81.48 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>12.511</b>	<b>11.388</b>	<b>85.28 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+/-)
Maximum	28.2 °C	26.4 °C	- 1.8 °C
Minimum	14.3 °C	10.4 °C	- 3.9 °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 &amp; 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.**