



Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Adviser/  
Chairman, Federal Flood Commission

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FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**WEDNESDAY, SEPTEMBER 13, 2023**

All major rivers of Indus River System (IRS) are discharging normal flows, hence there exists no flood situation (**Annexure-I**). **Tarbela** and **Mangla reservoirs** are presently at **1545.10 feet** and **1237.50 feet** respectively and reservoirs are being operated in accordance with their approved SOPs.

2. A **Monsoon Low** has developed over North Bay of Bengal (India). Seasonal Low continues to prevail over Northeastern Balochistan. By virtue of this, light moist currents are penetrating into upper parts of Pakistan up to 5000 feet which are likely to intensify in the coming days. Apart from this, Westerly Wave trough, at present, prevails over Northeastern Afghanistan (Source: FFD, Lahore).


3. During the next 24 hours, **Scattered Wind Thunderstorm/ Rain of Moderate Intensity** is expected over **Gujranwala Division of Punjab** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej. There is likelihood of **Isolated Wind Thunderstorm/ Rain of Light Intensity** over **Islamabad, Rawalpindi & Lahore Divisions of Punjab** and over the upper catchments of rivers Indus & Kabul during the same period.

4. Further **rainfall activity** over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej is expected to increase during the extended period of next 48 hours besides **moderate rainfall activity** with **Isolated Heavy Falls** over the upper catchments of all the major rivers of IRS from **15<sup>th</sup> September 2023** (Source: FFD, Lahore).

5. During the preceding 24 hours, no noticeable rainfall activity has been experienced over Pakistan.

6. All concerned organizations are advised to remain in **ALERT MODE** and ensure necessary measures as per their respective SOPs, in case of any flood emergency.

7. Round-the-Clock monitoring of the prevailing weather system with specific reference to further movement and intensity of Bay of Bengal Monsoon Low is being done by Pakistan Meteorological Department (PMD) through its sepecialized flood forecasting unit (FFD), Lahore and is keeping all concerned fully abreast of the situation.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad

**Distribution:**

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  6. Secretary, Planning, Development & Special Initiatives Division, Islamabad
  7. Secretary, Ministry of Climate Change, Islamabad.
  8. Secretary, Ministry of National Food Security & Research, Islamabad.
  9. Director General (Coord-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
  10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
  11. Chairman, WAPDA, WAPDA House, Lahore.
  12. Chief Executive Officer, Pakistan Railways, Lahore.
  13. Chairman, Indus River System Authority, Islamabad.
  14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
  15. Chairman, National Highway Authority, Islamabad.
  16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
  17. Director General, Pakistan Meteorological Department, Islamabad.
  18. Member (Water), WAPDA, WAPDA House, Lahore.
  19. Member (Infrastructure), Planning Commission, Islamabad.
  20. Chief Secretary, Government of the Punjab, Lahore.
  21. Chief Secretary, Government of Sindh, Karachi.
  22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
  23. Chief Secretary, Government of Balochistan, Quetta
  24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
  25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
  26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
  27. Secretary, Irrigation Department, Government of Sindh, Karachi
  28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
  29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
  30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
  31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
  32. Chief Engineer Merged Areas, Irrigation Deptt., Govt. of Khyber Pakhtunkhwa, Peshawar.
  33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
  34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
  35. Director General, Provincial Disaster Management Authority, Govt. of the Punjab, Lahore.
  36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
  37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
  38. Director General, Provincial Disaster Management Authority, Govt. of Balochistan, Quetta.
  39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
  40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
  41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
  42. Chief Commissioner, ICT, Islamabad.
  43. Chairman, Capital Development Authority, Islamabad.
  44. Commissioner, Rawalpindi.
  45. Managing Director, WASA, Rawalpindi.
  46. Principal Information Officer, Press Information Department, Islamabad.
  47. Director (News), Associated Press of Pakistan, Islamabad.
  48. Director (News), Pakistan Television, Islamabad.
  49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
  50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
- U.O. No. FC-I (31)/2023, dated 13-09-2023**

## Rivers and Reservoir Positions September 13, 2023 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	156,000	150,000	117,000	108,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	173,000	165,000	129,000	121,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	207,000	188,000	155,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	181,000	164,000	142,000	119,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	165,000	154,000	138,000	106,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	162,000	160,000	109,000	55,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	575,000	555,000	43,000	20,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				19,000		16,000	Normal	200,000
• Nowshera					39,000		23,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					9,000		4,000	Normal	150,000
• Munda (H. Works)					11,000		2,000	Normal	150,000
• Charsadda Road	150,000				11,000		2,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	18,000	8,000	13,000	36,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	12,000	NIL	32,000	12,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	58,000	28,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	32,000	24,000	37,000	29,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	32,000	12,000	37,000	15,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	21,000	5,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	29,000	15,000	35,000	18,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		24,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	9,000	39,000	11,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	19,000	1,000	21,000	3,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala							4,122	Normal	
• Suleimanki	325,000	598,872	08-10-1955	13,000	NIL	19,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	4,000	2,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1532.09	1550.00	1545.10	5.809	5.827	5.527	95.15 %
Chashma	649.00	638.15	647.10	648.60	644.50	0.278	0.258	0.113	40.65 %
Mangla	1242.00	1050.00	1191.95	1192.60	1237.50	7.356	3.884	6.999	95.15 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>9.969</b>	<b>12.639</b>	<b>94.02 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	25.5 °C	32.7 °C	7.2 °C
Minimum	11.2 °C	10.4 °C	- 0.8 °C

#### NOTES: "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

#### "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

\* 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.