



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**  
**SATURDAY, SEPTEMBER 02, 2023**

**River Sutlej** has receded into **Mild Flood Category** and presently is in **Low Flood**. Further **River Indus** is also flowing in **Mild Flood Category (Low Flood)** in **Guddu-Sukkur** reach. Other rivers of IRS (Jhelum, Chenab & Ravi) are discharging normal flows. Major reservoirs water level and live water storage position including rivers discharges at specified locations are presented in **Annexure-I**.

2. **Tarbela and Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550 feet** and **1242 feet** since **28<sup>th</sup> August** and **29<sup>th</sup> August 2023** respectively. The dam operating authorities of both Tarbela and Mangla Dams are exercising utmost care and vigilance in reservoir's operation by following SOPs and associated Dam Safety Guidelines.

3. According to FFD, Lahore, yesterday's trough of **Westerly Wave** over Northeastern Afghanistan continues to persist while **Seasonal Low** lies over Northeastern Balochistan. As a result, mild moist currents from Arabian Sea are penetrating into central parts of Pakistan up to 5000 feet.

4. For the ensuing 24 hours, FFD, Lahore has predicted **scattered wind thunderstorm/rain of light to moderate intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha & Gujranwala Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej besides **scattered wind thunderstorm/rain of moderate intensity** over the upper catchments of Rivers Indus & Kabul. For the same period, **isolated wind thunderstorm/rain** may also occur over **Punjab (Lahore Division)**. Moreover, **scattered thunderstorm/rain of moderate intensity** is likely over the upper catchments of all the major rivers of IRS up to **06<sup>th</sup> September 2023**.

5. **Punjab Irrigation Department** and **PDMA Punjab** are advised to continue state of **High Alertness**, enforce fool proof measures when needed as per Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

6. Round-the-Clock monitoring of the prevailing weather conditions is being done by Pakistan Meteorological Department through FFD, Lahore and is keeping all concerned organizations fully abreast of the situation.

  
(Ahmed Kamal)

Chief Engineering Adviser/  
Chairman, Federal Flood Commission

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3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
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6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, 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, Government 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, Government 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 02-09-2023**

## Rivers and Reservoir Positions September 02, 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	162,000	154,000	124,000	130,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	194,000	187,000	126,000	118,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	124,000	104,000	131,000	114,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	417,000	417,000	144,000	119,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	558,000	558,000	281,000	251,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	532,000	532,000	263,000	209,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	447,000	440,000	149,000	108,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				34,000		15,000	Normal	200,000
• Nowshera					71,000		24,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					14,000		6,000	Normal	150,000
• Munda( H. Works)					17,000		5,000	Normal	150,000
• Charsadda Road	150,000				17,000		4,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	28,000	8,000	15,000	15,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	8,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	52,000	22,000	53,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	34,000	26,000	16,000	7,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	22,000	2,000	16,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	40,000	25,000	40,000	23,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	38,000	26,000	103,000	86,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	31,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	18,000	2,000	22,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala							50,508	Low Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	19,000	7,000	67,000	53,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	8,000	7,000	74,000	72,000	Low Flood (F)	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1548.55	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	638.15	648.10	648.00	0.278	0.232	0.227	81.65 %
Mangla	1242.00	1050.00	1197.35	1187.45	1242.00	7.356	3.587	7.356	100 %
<b>Total Live Storage</b>						<b>13.443</b>	9.646	<b>13.392</b>	<b>96.62 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	28.8 °C	31.7 °C	2.9 °C
Minimum	12.4 °C	15.3 °C	2.9 °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.