



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY, SEPTEMBER 01, 2023**

Flood flows in River Sutlej have receded considerably. At present, it is flowing in **Low Flood** at its all locations in Pakistan (**Ganda Singh Wala** measuring station, **Suleimanki** and **Islam Headworks**). Also **River Indus** is in **Low Flood** in its **Guddu-Sukkur** reach. Rest of the rivers of IRS are discharging normal flows. Details of discharges, reservoir position & storages are given in **Annexure-I**.

2. **Tarbela** and **Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550 feet** and **1242 feet**. The dam operating authorities of both Tarbela and Mangla Dam are exercising utmost care and vigilance in reservoir's operation by following SOPs and associated Dam Safety Guidelines.

3. Arabian Sea Seasonal Low continues to prevail over Northeastern Balochistan resulting into mild moist currents which are penetrating into central parts of Pakistan up to 5000 feet. Trough of Westerly Wave earlier over Northern parts of Afghanistan today lies over Northeastern Afghanistan (Source: FFD, Lahore).

Weather/ Rain Forecast: Next 24-48 hours

4. Mainly dry weather has been predicated by FFD, Lahore, over most parts of Pakistan during the next 24 hours. Nonetheless, **isolated thunderstorm/rain** may occur over **Kalat Division** of **Balochistan** and upper catchments of all the major rivers of IRS during the same period. No rainfall activity has been observed over Pakistan during the past 24 hours.

5. For the ensuing 48 hours, **Scattered Thunderstorm/ Rain** of **Moderate Intensity** is expected over the upper catchments of rivers Indus and Kabul. For the same period, **Scattered Thunderstorm/Rain** of **Light to Moderate Intensity** may occur over **Islamabad, Rawalpindi Division** of **Punjab** and **Peshawar, Kohat & Bannu Divisions** of **Khyber Pakhtunkhwa** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej.

6. **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.

7. 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 Advisor/
Chairman, Federal Flood Commission

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5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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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.
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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 01-09-2023

Rivers and Reservoir Positions September 01, 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	181,000	206,000	116,000	87,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	252,000	246,000	137,000	129,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	280,000	263,000	140,000	122,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	580,000	580,000	159,000	134,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	531,000	531,000	296,000	265,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	530,000	530,000	275,000	221,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	409,000	404,000	149,000	108,000	Normal	650,000
River Kabul									
• Warsak	540,000				34,000		16,000	Normal	200,000
• Nowshera					80,000		24,000	Normal	200,000
River Swat					15,000				
• Chakdara Bridge							6,000	Normal	150,000
• Munda(H. Works)					19,000		4,000	Normal	150,000
• Charsadda Road	150,000				19,000		4,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	28,000	9,000	17,000	17,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	13,000	5,000	Normal	225,000
River Chenab				52,000					
• Marala	1,100,000	1,100,000	26-8-1957		22,000	46,000	15,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	38,000	30,000	16,000	7,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	28,000	8,000	14,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	42,000	29,000	41,000	26,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	44,000	34,000	103,000	86,000	Normal	450,000
River Ravi									
• 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	32,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	19,000	3,000	22,000	4,000	Normal	90,000
River Sutlej									
• G.S. Wala							59,287	Low Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	20,000	8,000	82,000	68,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	8,000	7,000	77,000	75,000	Low Flood (S)	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	1550.00	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	641.20	644.30	647.70	0.278	0.108	0.215	77.34 %
Mangla	1242.00	1050.00	1198.05	1186.80	1242.00	7.356	3.550	7.356	100 %
Total Live Storage						13.443	9.485	13.380	99.53 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.4 °C	30.6 °C	2.2 °C
Minimum	12.4 °C	12.4 °C	0.0 °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.