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
FRIDAY, SEPTEMBER 08, 2023

Due to subdued monsoon activity in the catchments of River Jhelum low inflows have been experienced in Mangla reservoirs since the last 10 days. Similarly, low temperature in upper catchments of River Indus (Skardu) have also resulted in low flows upstream Tarbela reservoir. Today's inflows at Tarbela and Mangla against corresponding period of last year may be seen at **Annexure-I**, **Column-5 & 7**. At present, all major rivers of Indus River System (IRS) i.e. Indus, Jhelum, Chenab, Ravi & Sutlej are discharging normal flows.

2. **Tarbela reservoir** continues to maintain its Maximum Conservation Levels (MCLs) of **1550 feet** since **28th August 2023** by virtue of judicious releases by the Dam Management. Water Level in **Mangla reservoir** is **1241.10** Vs **MCL** of **1242 feet**. Managements of both Tarbela and Mangla dams are maintaining the respective dams strictly in accordance with SOPs.

3. Arabian Sea Seasonal Low lies over Northeastern Balochistan. Presently light to moderate moist currents from both Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan upto 3000 feet (Source: FFD, Lahore).

4. **Scattered Thunderstorm/ Rain** of **Light** to **Moderate Intensity** is expected over **Gujranwala Division** of **Punjab** including upper catchments of rivers Chenab, Ravi & Sutlej during the next 24 hours. **Isolated Thunderstorm/ Rain** of **Light** to **Moderate Intensity** may also occur over **Islamabad, Rawalpindi** & **Lahore Divisions** (**Punjab**) and upper catchments of rivers Indus, Kabul & Jhelum during the same period. No noticeable rainfall activity has been experienced during the past 24 hours.

5. All concerned organizations including **Tarbela & Mangla Dam Management Authorities** are advised to remain in **ALERT** mode and exercise necessary measures as per their respective SOPs, in case of any emergency.

6. Pakistan Meteorological Department (PMD) continues to monitor the prevailing weather conditions over Pakistan through its specialized forecasting arm Flood Forecasting Division (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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3. Minister for Climate Change, Islamabad.
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6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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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 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.
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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 08-09-2023

ANNEXURE-I

Rivers and Reservoir Positions
September 08, 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	153,000	155,000	114,000	87,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	167,000	159,000	130,000	122,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	198,000	180,000	168,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	199,000	183,000	127,000	108,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	193,000	186,000	140,000	111,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	273,000	273,000	98,000	46,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	604,000	584,000	135,000	93,000	Normal	650,000
River Kabul									
• Warsak	540,000				22,000		20,000	Normal	200,000
• Nowshera					44,000		24,000	Normal	200,000
River Swat									
• Chakdara Bridge					10,000		6,000	Normal	150,000
• Munda(H. Works)					12,000		3,000	Normal	150,000
• Charsadda Road	150,000				12,000		3,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	25,000	10,000	13,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	4,000	NIL	20,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	42,000	12,000	37,000	6,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	15,000	7,000	12,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	17,000	NIL	20,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	30,000	14,000	22,000	6,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	22,000	9,000	67,000	50,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		17,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	15,000	37,000	11,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	21,000	4,000	26,000	8,000	Normal	90,000
River Sutlej									
• G.S. Wala							15,682	Normal	
• Suleimanki	325,000	598,872	08-10-1955	14,000	1,000	22,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	2,000	1,000	17,000	15,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	**1550.00**	1402.00	1534.05	1550.00	**1550.00**	**5.809**	5.827	**5.809**	**100 %**
Chashma	**649.00**	638.15	645.00	648.60	**648.00**	**0.278**	0.258	**0.227**	**81.65 %**
Mangla	**1242.00**	1050.00	1192.90	1191.00	**1241.10**	**7.356**	3.788	**7.283**	**99.01 %**
					Total Live Storage	**13.443**	9.873	**13.319**	**99.08 %**

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /-)
Maximum	**32.0 °C**	**26.2 °C**	**- 5.8 °C**
Minimum	**11.3 °C**	**9.4 °C**	**- 1.9 °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.