



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, AUGUST 12, 2023

Tarbela reservoir yesterday had attained its Maximum Conservation Level (MCL) of **1550.00 feet** and today it is at an elevation of **1549.22 feet** i.e. just **0.78 feet** below its MCL. **Mangla reservoir** is also approaching its MCL and at present it is at a level of **1238.75 feet** (i.e. **3.25 feet** below its MCL of **1242.00 feet**). Managements of both Tarbela and Mangla reservoirs need to exercise extreme care in reservoir operation in accordance with the respective SOPs and dam safety guidelines.

2. Except for **River Indus** which is in **Low Flood** at its two (2) control structures (**Tarbela & Guddu**), all major rivers of the Indus River System (IRS) are experiencing normal flows. Discharges (inflows/outflows) of major rivers at specified control structures including storage position of major reservoirs for today at 0600 hours may be seen at **Annexure-I**.


3. Yesterday's trough of Westerly Wave over Northern parts of Afghanistan today lies over Northeastern Afghanistan and adjoining areas. Light to Moderate moist currents from Arabian Sea, which at present are penetrating into upper parts of Pakistan up to 5000 feet are likely to intensify during next 24 hours. Marked Seasonal Low lies over Northeastern Balochistan.

4. For the ensuing 24 hours, FFD, Lahore has predicted, **Scattered Wind Thunderstorm/ Rain of Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers of IRS. Noticeable rains have been experienced only in Lahore (27 mm) and Gujranwala (14 mm) during the past 24 hours.

5. For the next 48 hours, wet spell is likely to continue. A wet spell of **moderate intensity** at **scattered to widespread places** with **isolated heavy falls** may also occur over the upper catchments of all the major rivers of IRS from **13th to 15th August 2023**.

6. All concerned organizations are advised to remain **ALERT**, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties.

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant of the situation.


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

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3. Minister for Climate Change, 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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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 12-08-2023

Rivers and Reservoir Positions August 12, 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	234,000	143,000	230,000	256,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	220,000	214,000	236,000	228,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	256,000	241,000	200,000	173,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	171,000	154,000	242,000	224,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	180,000	143,000	283,000	251,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	139,000	102,000	237,000	183,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	221,000	205,000	226,000	186,000	Normal	650,000
River Kabul									
• Warsak	540,000				30,000		28,000	Normal	200,000
• Nowshera					41,000		42,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		12,000	Normal	150,000
• Munda(H. Works)					8,000		13,000	Normal	150,000
• Charsadda Road	150,000				9,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	14,000	34,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	16,000	5,000	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	142,000	130,000	73,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	217,000	211,000	50,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	196,000	177,000	49,000	39,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	58,000	49,000	63,000	53,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	46,000	34,000	77,000	61,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		21,000		27,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	16,000	40,000	17,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	26,000	12,000	26,000	9,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 18.00	40,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	11,000	1,000	60,000	47,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	5,000	4,000	44,000	42,000	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	1541.12	1544.20	1549.22	5.809	5.495	5.764	99.23 %
Chashma	649.00	638.15	643.40	642.60	646.00	0.278	0.070	0.153	55.04 %
Mangla	1242.00	1050.00	1201.60	1167.80	1238.75	7.356	2.560	7.096	96.47 %
Total Live Storage						13.443	8.125	13.013	96.80 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	32.8 °C	33.7 °C	0.9 °C
Minimum	19.5 °C	17.4 °C	- 2.1 °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.