



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**  
**SUNDAY, AUGUST 13, 2023**

**Tarbela reservoir** had attained its Maximum Conservation Level (MCL) of **1550.00 feet** on **11<sup>th</sup> August 2023** and today it is at an elevation of **1549.09 feet** i.e. just **0.91 feet** below its MCL. **Mangla reservoir** is also approaching its MCL and at present it is at a level of **1239.25 feet** (i.e. **2.75 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. **River Indus** is flowing in **Low Flood** at its three (03) control structures (**Tarbela, Chashma & Guddu**), whereas all other 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 Northeastern Afghanistan and adjoining areas today lies over Northern parts of Pakistan. Light to Moderate moist currents from Arabian Sea are penetrating into upper parts of Pakistan up to 4000 feet while Seasonal Low continues to lie over Northeastern Balochistan.

4. For the next 24 hours, FFD, Lahore has forecasted **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. No noticeable rains have been experienced during the past 24 hours.

5. As per FFD, Lahore, a wet spell of **moderate intensity** at **scattered places** may occur over the upper catchments of all the major rivers of IRS from **13<sup>th</sup> to 16<sup>th</sup> 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 Advisor/  
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
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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37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
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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 13-08-2023**

## Rivers and Reservoir Positions August 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	237,000	216,000	229,000	256,000	Low Flood (S)	650,000
• Kalabagh	950,000	950,000	14-7-1942	187,000	180,000	251,000	243,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	254,000	236,000	290,000	268,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	224,000	204,000	205,000	187,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	184,000	149,000	283,000	251,000	Low Flood (S)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	131,000	94,000	241,000	187,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	229,000	211,000	184,000	143,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				34,000		28,000	Normal	200,000
• Nowshera					50,000		39,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					14,000		11,000	Normal	150,000
• Munda( H. Works)					12,000		12,000	Normal	150,000
• Charsadda Road	150,000				10,000		12,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	27,000	10,000	29,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	3,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	114,000	102,000	79,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	99,000	92,000	50,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	128,000	109,000	43,000	33,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	67,000	58,000	56,000	42,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	37,000	26,000	77,000	61,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		21,000		15,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	15,000	42,000	19,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	27,000	13,000	25,000	8,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala	325,000	598,872	08-10-1955	14,000	4,000	Gauge 17.50	34,000	Normal	175,000
• Suleimanki	332,000	492,581	11-10-1955	4,000	3,000	56,000	43,000	Normal	175,000
• Islam						38,000	36,000	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	1541.20	1544.70	1549.09	5.809	5.523	5.757	99.10 %
Chashma	649.00	638.15	645.60	642.00	647.00	0.278	0.058	0.188	67.63 %
Mangla	1242.00	1050.00	1201.90	1168.80	1239.25	7.356	2.597	7.135	97.00 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>8.178</b>	<b>13.080</b>	<b>97.30 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / - )
Maximum	33.5 °C	32.6 °C	- 0.9 °C
Minimum	18.4 °C	14.2 °C	- 4.2 °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.