



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**  
**THURSDAY, AUGUST 10, 2023**

**Tarbela dam** has attained water level of **1549.00 feet** (i.e. **1.00 feet** below its MCL of **1550.00 feet**) and is anticipated to attain its MCL during the ensuing 24-48 hours. Likewise **Mangla dam** is also approaching its MCL. At present it is at an elevation of **1237.60 feet** (i.e. **4.40 feet** below its MCL of **1242.00 feet**). Dam Managements of both reservoirs are exercising extreme care in reservoir operation through judicious releases remaining well within the SOPs and dam safety guidelines.

2. Apart from Rivers **Indus** and **Sutlej**, rest of the rivers of **Indus River System** (Kabul, Jhelum, Chenab and Ravi) are discharging normal flows. **Indus** is in **Low Flood** at **Tarbela, Chashma, Guddu & Kotri**, besides, **Sutlej** at **Islam**.

3. According to FFD, Lahore, fresh trough of Westerly Wave lies over Northern parts of Afghanistan whereas yesterday's Westerly Wave trough has moved away Eastwards (away from Pakistan). Arabian Sea Seasonal Low continues to persist over Northern Balochistan and is a source of Mild Moist currents which are penetrating into upper parts of Pakistan up to 5000 feet.

4. For the next 24 hours, **Thunderstorm/ Rain** of **Light to Moderate Intensity** at isolated places may occur over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar Division)** including upper catchments of all the major rivers of Indus River System (IRS). Very little rainfall activity has been experienced during the past 24 hours.

5. FFD, Lahore has also predicted a fresh wet spell of **moderate intensity (scattered to widespread places)** with **isolated heavy falls** over the upper catchments of all the major rivers of IRS. (**Between August 13-15, 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

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
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.
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.

## **Distribution:**

10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
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.
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 10-08-2023**

**Rivers and Reservoir Positions  
August 10, 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	195,000	158,000	217,000	251,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	155,000	148,000	191,000	183,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	209,000	192,000	277,000	261,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	152,000	136,000	252,000	235,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	202,000	168,000	278,000	246,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	174,000	138,000	244,000	189,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	206,000	195,000	254,000	215,000	Low Flood (F)	650,000
<b>River Kabul</b>									
• Warsak	540,000				27,000		28,000	Normal	200,000
• Nowshera					49,000		45,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					13,000		12,000	Normal	150,000
• Munda( H. Works)					9,000		14,000	Normal	150,000
• Charsadda Road	150,000				10,000		14,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	10,000	36,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	3,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	75,000	49,000	78,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	61,000	55,000	51,000	43,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	67,000	48,000	43,000	33,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	50,000	44,000	66,000	58,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	65,000	54,000	70,000	54,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		11,000		11,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		22,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	19,000	37,000	15,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	21,000	8,000	37,000	21,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 18.90	54,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	12,000	5,000	58,000	45,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	10,000	9,000	55,000	53,000	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	1541.00	1542.70	1549.00	5.809	5.409	5.752	99.02 %
Chashma	649.00	638.15	643.70	648.50	644.00	0.278	0.253	0.100	35.97 %
Mangla	1242.00	1050.00	1200.80	1165.85	1237.60	7.356	2.469	7.007	95.26 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>8.131</b>	<b>12.859</b>	<b>95.66 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	34.8 °C	32.6 °C	- 2.2 °C
Minimum	19.8 °C	14.0 °C	- 5.8 °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.