



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, AUGUST 04, 2023**

Owing to heavy rainfall in the upper catchment areas above rim station during the last two weeks or so, **Eastern Rivers: Ravi & Sutlej** have been experiencing **Mild Category Floods** since **July 27, 2023**. The flows have receded gradually and at present **Rivers Ravi at Sidhnai and Sutlej at Suleimanki & Islam** are in **Low Flood**. Also **River Indus** continues to flow in **Medium Flood** at **Guddu & Sukkur** since 26<sup>th</sup> July and 30<sup>th</sup> July 2023 respectively, however, with falling trend. Other major Rivers i.e. Kabul, Jhelum & Chenab are discharging normal flows. **Annexure-I** is referred for details.

2. **Tarbela and Mangla Reservoirs** are at **1542.29 feet** and **1232.90 feet** respectively. Total live storage attained to date is **90.24%** as compared to **54.31%** last year. In view of over **90%** live storage in each of these reservoirs and present weather predictions by FFD, Lahore, Tarbela Dam Management and Mangla Dam Flood Mitigation Committee (FMC) are advised to remain **Alert & Vigilant** and take utmost care in further filling of reservoirs in accordance with the respective SOPs including Dam Safety Guidelines. Timely dissemination of flood warnings, in case of any abnormal outflows, to the concerned District Administrations and local population in the downstream areas may also be ensured by the concerned departments.


3. Yesterday's **DEPRESSION** over North Chattisgarh (India) has now moved slightly Westwards, converted into **Monsoon Low** and lies over Northeast Madhya Pradesh (India). Besides, trough of Westerly Wave continues to prevail over Northeastern Afghanistan with Seasonal Low lies over Northern Balochistan. These meteorological conditions are bringing Light to Moderate moist currents from Arabian Sea which are penetrating into upper parts of Pakistan upto 5000 feet.

4. **Scattered Wind Thunderstorm/ Rain of Light to Moderate Intensity** with **Isolated Heavy Falls** are expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers of IRS during the next 24 hours. Few rainfall event has been experienced during past 24 hours in Punjab (08 mm each for D.G. Khan & Ravi Syphon and 07 mm for Gujranwala).

5. The present wet spell of **Moderate Intensity** with **Heavy Falls** is likely to continue at **isolated places** over upper catchments of all the major rivers of IRS till **7<sup>th</sup> August 2023** and would decrease thereafter.

6. All concerned organizations including Tarbela and Mangla Dam Management organizations are advised to remain **Alert & Vigilant**. Take prompt response on warnings issued and ensured safety of communities living in low lying areas including the public & private properties, irrigation, drainage, flood protection & river training infrastructure etc.

7. Round-the-Clock monitoring of the prevailing weather system is being ensured by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned organizations 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.

**Distribution:**

4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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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.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
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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.
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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 04-08-2023**

**Rivers and Reservoir Positions  
August 04, 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	180,000	100,000	223,000	245,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	195,000	190,000	217,000	209,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	203,000	182,000	159,000	151,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	366,000	366,000	182,000	169,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	379,000	348,000	400,000	370,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	313,000	277,000	411,000	365,000	Med Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	181,000	153,000	212,000	172,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				28,000		28,000	Normal	200,000
• Nowshera					53,000		50,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					17,000		12,000	Normal	150,000
• Munda( H. Works)					12,000		13,000	Normal	150,000
• Charsadda Road	150,000				13,000		13,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	35,000	9,000	50,000	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	48,000	27,000	82,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	44,000	38,000	66,000	59,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	51,000	32,000	59,000	49,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	95,000	91,000	66,000	61,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	110,000	100,000	143,000	128,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		9,000		20,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		17,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	50,000	33,000	43,000	20,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	21,000	13,000	52,000	37,000	Low Flood (F)	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 19.40	62,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	19,000	16,000	76,000	63,000	Low Flood (S)	175,000
• Islam	332,000	492,581	11-10-1955	8,000	7,000	67,000	66,000	Low Flood (R)	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	1530.00	1536.00	1542.29	5.809	5.035	5.366	92.37 %
Chashma	649.00	638.15	639.50	645.00	644.90	0.278	0.125	0.123	44.24 %
Mangla	1242.00	1050.00	1194.90	1158.70	1232.90	7.356	2.141	6.642	90.29 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>7.301</b>	<b>12.131</b>	<b>90.24 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	30.5 °C	30.2 °C	- 0.3 °C
Minimum	14.3 °C	16.4 °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.