



**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 31, 2023**

At present, **River Indus** is flowing in **Low Flood** at **Guddu & Sukkur** whereas **River Sutlej** is in **Low Flood** at **Ganda Singh Wala** measuring station and **Islam Headwork**. Also **River Sutlej** is in **Medium Flood** at **Suleimanki**. Rest of rivers of IRS i.e. Rivers Kabul, Jhelum, Chenab & Ravi are discharging normal flows.

2. **Tarbela** and **Mangla reservoirs** continue to maintain their respective Maximum Conservation Levels (**1550 feet** and **1242 feet**) since **28<sup>th</sup> August** and **29<sup>th</sup> August 2023** respectively. **Annexure-I** depicts country's major reservoirs live storage position including rivers discharges at specified locations at 0600 hours today.

3. According to FFD, Lahore, Arabian Sea Seasonal Low lies over Northeastern Balochistan which are bringing mild moist currents that are penetrating into central parts of Pakistan upto 5000 feet. Trough of Westerly Wave continues to prevail over Northern parts of Afghanistan.

4. Mainly dry weather has been predicted by FFD, Lahore over most parts of Pakistan during the next 24 hours. A fresh wet spell of **Moderate Intensity** may occur over the upper catchments of all the major rivers of IRS from **2<sup>nd</sup> September** to **6<sup>th</sup> September 2023**. No rainfall activity has been observed over Pakistan during the past 24 hours.

5. **Tarbela** and **Mangla Dam Management** are advised to remain on **High Alert**, exercise utmost care in reservoirs operation as per respective SOPs and Dam Safety Guidelines and also to ensure **timely dissemination of flood warnings to the concerned District Administration and local population in the downstream areas (in case of any abnormal outflows)**.

6. **Punjab Irrigation Department** and **PDMA Punjab** are also advised to continue state of **High Alertness**, enforce fool proof measures when needed as per Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

7. Pakistan Meteorological Department through FFD, Lahore is monitoring the prevailing weather conditions on Round-the-Clock basis and is keeping all concerned organizations fully abreast 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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6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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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.
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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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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 31-08-2023**

## Rivers and Reservoir Positions August 31, 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	194,000	211,000	125,000	117,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	304,000	299,000	149,000	141,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	463,000	445,000	162,000	144,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	603,000	603,000	215,000	191,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	519,000	519,000	317,000	287,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	530,000	530,000	263,000	209,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	380,000	377,000	149,000	108,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				48,000		18,000	Normal	200,000
• Nowshera					117,000		24,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					20,000		7,000	Normal	150,000
• Munda( H. Works)					21,000		6,000	Normal	150,000
• Charsadda Road	150,000				20,000		5,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	9,000	15,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	8,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	61,000	33,000	41,000	12,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	39,000	31,000	16,000	7,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	38,000	18,000	18,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	41,000	29,000	52,000	37,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	42,000	32,000	109,000	93,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	32,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	22,000	7,000	23,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala							63,300	Low Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	19,000	7,000	95,000	81,000	Med Flood (S)	175,000
• Islam	332,000	492,581	11-10-1955	8,000	6,000	77,000	75,000	Low Flood (F)	175,000

### B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1548.88	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	643.80	642.00	647.20	0.278	0.058	0.184	66.19 %
Mangla	1242.00	1050.00	1198.70	1186.15	1242.00	7.356	3.514	7.356	100 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>9.399</b>	<b>13.349</b>	<b>99.30 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	27.6 °C	28.7 °C	1.1 °C
Minimum	12.1 °C	10.2 °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.