



**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
WEDNESDAY, AUGUST 23, 2023**

Flood flows in **River Sutlej** are receding gradually. It is flowing in **HIGH FLOOD** at **Ganda Singh Wala** and **Head Suleimanki** at reporting time today. Flood flows at **Ganda Singh Wala** receded from **278,279 cusecs** to **122,326 cusecs** whereas at **Head Suleimanki** from **191,053 cusecs** to **170,000 cusecs**. At **Head Islam** River Sutlej is in **Low Flood**, besides, **Rivers Indus & Kabul** at **Guddu** and **Warsak** respectively. Rivers Jhelum, Chenab and Ravi are discharging normal flows (**Annexure-I**).

2. In line with the weather forecast of FFD, Lahore for the upper catchments of Rivers Indus and Jhelum and following indent requirements drawdown have been made by both Managements of Tarbela and Mangla Dams. At present water level in **Mangla reservoir** is **1241.80 feet** Vs **MCL of 1242 feet** and is **1549.32 feet** Vs **MCL of 1550 feet** in **Tarbela Dam**.

3. In view of the prevailing meteorological conditions and Weather Prediction of FFD, Lahore for the upper catchments of Rivers Indus and Jhelum, both Tarbela and Mangla Dam Management including Flood Mitigation Committee (FMC) of Mangla Dam are advised to remain **Vigilant** and **Alert** and take utmost care in reservoirs operation in accordance with the respective SOPs and Dam Safety Guidelines. Also timely dissemination of flood warnings, in case of any abnormal outflows, to the concerned District Administrations and local population in the downstream areas would ensure by the respective department.

4. **Westerly Wave** Trough presently prevails over Northeastern Afghanistan and adjoining areas whereas **Well-Marked Seasonal Low** lies over Northeastern Balochistan and its trough is extending Northeastwards. As a result, moderate to strong moist currents from Arabian Sea are penetrating into to upper parts of Pakistan up to 4000 feet.

5. **Forecast: Next 24 hours**

For the ensuing 24 hours, FFD, Lahore has predicted **Scattered to Widespread Wind Thunderstorm/Rain of Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi & Gujranwala Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including upper catchments of all the major rivers of IRS. For the same period, **Isolated Wind Thunderstorm/Rain of Moderate Intensity** may occur over **Sargodha & Lahore Divisions** of Punjab.

6. **Moderate to Heavy rainfall** has been observed over the upper catchment of **River Sutlej** during the past 24 hours which may increase the Flows in **River Sutlej**, however, this would be subject to releases of water from the **Bhakra Dam** by India. Few rainfall events have been observed during the past 24 hour in Khyber Pakhtunkhwa (22 mm for Lower Dir & 11 mm for Bosak Bridge) (**Source: FFD, Lahore**).

7. **Forecast: Extended Period upto August 27, 2023**

According to FFD, Lahore, **Moderate monsoon activity** with **isolated heavy falls** may continue over the upper catchments of all the major rivers of IRS up to **27th August 2023**. As a result, **Sharp peaks of Medium to High level floods** in **River Jhelum at Mangla (upstream)** is expected during **24th to 25th August 2023**.

8. In view of **High Flood Situation** in river **Sutlej** at **Ganda Singh Wala** and **Head Suleimanki**, all concerned organizations especially **Punjab Irrigation Department** and **PDMA Punjab** are advised to remain on **HIGH ALERT** and ensure fool proof measures as per their Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

9. Pakistan Meteorological Department (PMD) is monitoring of prevailing weather conditions on Round-the-Clock basis 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.
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.
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 23-08-2023

Rivers and Reservoir Positions August 23, 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	245,000	233,000	229,000	144,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	261,000	256,000	257,000	249,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	369,000	351,000	223,000	202,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	436,000	436,000	204,000	185,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	550,000	550,000	255,000	224,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	474,000	474,000	211,000	159,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	258,000	258,000	154,000	113,000	Normal	650,000
River Kabul									
• Warsak	540,000				51,000		42,000	Low Flood (R)	200,000
• Nowshera					94,000		34,000	Normal	200,000
River Swat									
• Chakdara Bridge					21,000		10,000	Normal	150,000
• Munda(H. Works)					18,000		11,000	Normal	150,000
• Charsadda Road	150,000				15,000		11,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	29,000	12,000	20,000	22,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	19,000	16,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	66,000	38,000	77,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	58,000	51,000	60,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	46,000	30,000	46,000	36,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	74,000	61,000	62,000	53,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	101,000	95,000	79,000	63,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		17,000		20,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		24,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	42,000	16,000	34,000	26,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	14,000	2,000	35,000	17,000	Normal	90,000
River Sutlej									
• G.S. Wala									
• Suleimanki	325,000	598,872	08-10-1955	16,000	4,000	170,000	122,326	High Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	4,000	3,000	58,000	170,000	High Flood (F)	175,000
							56,000	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	1543.92	1550.00	1549.32	5.809	5.827	5.770	99.33 %
Chashma	649.00	638.15	647.30	642.00	649.00	0.278	0.058	0.278	100 %
Mangla	1242.00	1050.00	1201.80	1177.85	1241.80	7.356	3.063	7.340	99.78 %
Total Live Storage						13.443	8.948	13.388	99.59 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	27.3 °C	34.7 °C	7.4 °C
Minimum	14.4 °C	19.3 °C	4.9 °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.