



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
MONDAY, AUGUST 28, 2023

River Sutlej has now receded into **Mild Flood Category** and presently is in **Medium Flood**. Further **River Indus** is also flowing in Mild Flood Category (**Low Flood**) at **Tarbela, Taunsa and Guddu**. Rest of rivers of the Indus River System (IRS) i.e. Rivers Kabul, Jhelum, Chenab & Ravi are discharging normal flows. Reservoir levels, live storages and rivers inflows/ outflows are depicted in **Annexure-I**.

2. Arabian Sea Seasonal Low persisting over Northeastern Balochistan, is generating moderate moist currents which are penetrating into central and upper parts of Pakistan up to 5000 feet. Besides this, Westerly Wave trough continues to prevail over Kashmir & adjoining areas.

3. **Scattered Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls** are expected over **Islamabad, Rawalpindi, Gujranwala, Sargodha, Lahore, Multan & D.G. Khan Divisions of Punjab** and **Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa** in addition to upper catchments of all the major rivers of IRS. Last 24 hours rainfall details may be seen at **Annexure-II**.

4. Both Tarbela and Mangla Dam Management are advised to ensure **HIGH ALERT**, exercise utmost care in reservoirs operation as per respective SOPs and Dam Safety Guidelines besides ensuring **timely dissemination of flood warnings to the concerned District Administration and local population in the downstream areas (in case of any abnormal outflows)**.

5. Further especially **Punjab Irrigation Department** and **PDMA Punjab** are 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.

6. 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 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.
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.

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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 28-08-2023

Rivers and Reservoir Positions August 28, 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	302,000	302,000	171,000	256,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	427,000	423,000	192,000	184,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	503,000	502,000	255,000	237,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	516,000	516,000	282,000	259,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	485,000	485,000	267,000	235,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	562,000	562,000	205,000	152,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	335,000	335,000	154,000	113,000	Normal	650,000
River Kabul					126,000				
• Warsak	540,000						21,000	Normal	200,000
• Nowshera					307,000		30,000	Normal	200,000
River Swat					83,000				
• Chakdara Bridge							8,000	Normal	150,000
• Munda(H. Works)					120,000		8,000	Normal	150,000
• Charsadda Road	150,000				104,000		7,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	44,000	9,000	22,000	22,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	8,000	5,000	Normal	225,000
River Chenab				60,000					
• Marala	1,100,000	1,100,000	26-8-1957		33,000	46,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	45,000	38,000	33,000	25,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	37,000	17,000	25,000	15,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	73,000	61,000	83,000	74,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	60,000	54,000	85,000	69,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		10,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		16,000		25,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	42,000	15,000	37,000	14,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	21,000	7,000	28,000	10,000	Normal	90,000
River Sutlej									
• G.S. Wala							115,046	Med Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	21,000	11,000	108,000	95,000	Med Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	4,000	3,000	94,000	94,000	Med 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	1545.32	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	641.80	640.30	648.80	0.278	0.029	0.268	96.40 %
Mangla	1242.00	1050.00	1199.90	1183.25	1241.95	7.356	3.353	7.352	99.95 %
Total Live Storage						13.443	9.209	13.429	99.90 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	25.7 °C	25.0 °C	- 0.7 °C
Minimum	16.4 °C	12.2 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	Punjab	
1.	Mangla	28
2.	Sialkot	25
3.	Lahore	22
4.	Jhelum	17
5.	Narowal	14
6.	Islamabad	11
7.	Murree	06
B.	Khyber Pakhtunkhwa	
8.	Tarbela	20
9.	Pattan	18
10.	Besham	08
C.	Gilgit-Baltistan	
11.	Gupis	08
12.	Bagrote	07
13.	Skardu	05
D.	AJ&K	
14.	Kotli, Garhi Dopatta & Kallar	05 each

Source: FFD, Lahore (Phone No. 042 99200139)