



**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY AUGUST, 03 2022**

Rivers Jhelum, Chenab, Ravi & Sutlej are at present in Normal Flow Condition whereas River Indus is in “**Medium Flood**” at **Taunsa** (upstream Guddu) and in “**Low Flood**” at **Chashma** and in **Guddu-Sukkur** reach. Also **River Kabul** continues to flow in “**Low Flood**” at **Nowshera**. Inflows/ Outflows (at 0600 hours today at rivers designated control structures), reservoirs storage position and Skardu temperature may be seen at **Annexure-I**. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Mangla & Chashma) is **7.063 MAF** (i.e. **52.47%** of **13.461 MAF**).

2. Yesterday's Westerly Wave trough over Northern Afghanistan is remained stationary whereas Seasonal Low lies over Northwestern Balochistan. Weak moist currents both from Arabian Sea and Bay of Bengal were penetrating into upper parts of Pakistan upto 3000 feet at the reporting time today (Source: FFD, Lahore).

3. For the ensuing 24 hours FFD, Lahore has predicted isolated thunderstorm/rain over **Northern & Northeastern Punjab** including **D.G. Khan Division, Southern Sindh, Khyber Pakhtunkhwa, Northeastern Balochistan** and upper catchments of all the main rivers of the Indus River System. Few rainfall events have been experienced in Punjab and Khyber Pakhtunkhwa during the past 24 hours (**Annexure-II**).

4. All related organizations are advised to remain **Vigilant**, take timely actions on warnings issued by the concerned organizations to ensure safety of low lying area communities, public & private property besides irrigation, drainage & flood protection infrastructure etc.

5. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all concerned informed through FFD, Lahore.


(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, Ministry of Climate Change, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.

Distribution:

9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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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. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi.
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
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)/2022, Dated 03-08-2022

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PS to CEA/ CFFC, Islamabad

Rivers and Reservoir Positions August 03, 2022 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	297,000	159,000	215,000	199,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	269,000	263,000	241,000	236,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	318,000	310,000	317,000	306,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	318,000	295,000	381,000	381,000	Med Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	234,000	192,000	361,000	332,000	Low Flood (S)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	122,000	65,000	270,000	305,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	46,000	10,000	181,000	153,000	Normal	650,000
River Kabul									
• Warsak	540,000				34,000		32,000	Normal	200,000
• Nowshera		450,000	29-07-2010		70,000		61,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		17,000		20,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		13,000		14,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		10,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	9,000	34,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	4,000	NIL	9,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	98,000	65,000	53,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	83,000	76,000	59,000	53,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	71,000	51,000	69,000	50,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	83,000	67,000	86,000	83,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	67,000	51,000	122,000	113,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		15,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	9,000	52,000	35,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	32,000	16,000	20,000	13,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	18,000	4,000	16,000	13,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	7,000	6,000	Normal	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1479.00	1527.00	1534.00	5.827	4.604	4.926	84.54 %
Chashma	649.00	638.15	646.30	639.50	641.50	0.278	0.017	0.049	17.63 %
Mangla	1242.00	1050.00	1231.05	1193.60	1157.45	7.356	3.944	2.088	28.38 %
Total Live Storage						13.461	8.565	7.063	52.47 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	28.4 °C	28.7 °C	+ 0.3 °C
Minimum	15.0 °C	14.6 °C	- 0.4 °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 freeboards

"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/ Historic Peak Floods: (applied on downstream discharge/Outflow)

(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Kot Addu	32
2.	Khanewal	10
3.	Shorkot	09
4.	T.T. Singh	05
B	Khyber Pakhtunkhwa	
5.	Tirah-Khyber	28
6.	Ghalanai	21
7.	Lower Dir	15
8.	Babusar	09
9.	Dir	08
10.	Mamad Gut	05

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