



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

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**DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY AUGUST 24, 2021**

Dry monsoon is persisting since the last about 10 days with extremely minimum rainfall activity. This has impacted the inflows in our Indus River System wherein all main rivers (i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej) are discharging "Normal Flows" with no riverine flood situation (**Annexure-I**). Present Combined Live Storage of three main reservoirs (Tarbela, Chashma & Mangla) is **10.098 MAF (74.71%** of the total Combined Live Storage Capacity of **13.516 MAF**).

2. With regard to meteorological conditions, Westerly Wave trough continues to prevail over Northern parts of Afghanistan. Weak Seasonal Low exists over Northern Balochistan. Weak Monsoon Currents from Arabian Sea are penetrating into upper parts of Pakistan upto 3000 feet.
3. Mainly dry weather over most parts of the country has been predicted by FFD, Lahore, for the ensuing 24 hours. No significant rainfall event has been reported during the last 24 hours.
4. Pakistan Meteorological Department (PMD) is monitoring the present weather system and keeping informed all concerned 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 Information & Broadcasting, 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.
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8. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
10. Chief Executive Officer, Pakistan Railways, Lahore.
11. Member (Infrastructure), Planning Commission, Islamabad.
12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad.

Distribution:

15. Chairman, Indus River System Authority, Islamabad.
16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
24. Chief Commissioner, Islamabad.
25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
26. Secretary, Irrigation Department, Government of Sindh, Karachi.
27. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
28. Secretary, Irrigation Department, Government of Balochistan, Quetta.
29. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
32. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
33. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
34. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
35. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
36. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
37. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
38. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
39. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
40. Principal Information Officer, Press Information Department, Islamabad.
41. Director (News), Associated Press of Pakistan, Islamabad.
42. Director (News), Pakistan Television, Islamabad.
43. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
44. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 24-08-2021

Rivers and Reservoir Positions August 24, 2021 at 0600 Hours

A. River Flow Situation:

Structures	Designed Capacity	Last Year Flow		Today Actual Flow		Comparative Danger (VHF) Classification	Flood Classification* (Based on today's Outflow)
		Inflow	Out Flow	In Flow	Out Flow		
1	2	3	4	5	6	7	8
River Indus							
▪ Tarbela Reservoir	1,500,000	189,000	129,000	136,000	103,000	650,000	Normal
▪ Kalabagh	950,000	188,000	181,000	118,000	111,000	650,000	Normal
▪ Chashma Reservoir	950,000	209,000	202,000	154,000	141,000	650,000	Normal
▪ Taunsa	1,000,000	249,000	225,000	135,000	116,000	650,000	Normal
▪ Guddu	1,200,000	148,000	116,000	120,000	88,000	700,000	Normal
▪ Sukkur	900,000	100,000	61,000	85,000	34,000	700,000	Normal
▪ Kotri	875,000	37,000	24,000	28,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		31,000		16,000	200,000	Normal
▪ Nowshera			39,000		18,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		3,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			6,000		4,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	19,000	11,000	20,000	29,000	225,000	Normal
▪ Rasul	850,000	1,000	NIL	27,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	78,000	54,000	48,000	13,000	400,000	Normal
▪ Khanki	1,100,000	51,000	44,000	12,000	5,000	400,000	Normal
▪ Qadirabad	900,000	54,000	36,000	20,000	NIL	400,000	Normal
▪ Trimmu	875,000	51,000	37,000	24,000	8,000	450,000	Normal
▪ Panjnad	865,000	19,000	3,000	14,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		11,000		3,000	150,000	Normal
▪ Shahdara	250,000		25,000		20,000	135,000	Normal
▪ Balloki	380,000	49,000	19,000	30,000	1,000	135,000	Normal
▪ Sidhnai	150,000	27,000	12,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	21,000	8,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	4,000	2,000	1,000	NIL	175,000	Normal

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)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1550.00	1544.93	1544.15	5.882	5.690	5.548	94.32 %
Chashma	649.00	638.15	647.90	648.50	645.30	0.278	0.253	0.133	47.84 %
Mangla	1242.00	1050.00	1216.80	1238.60	1201.35	7.356	7.085	4.417	60.05 %
Total Live Storage						13.516	13.028	10.098	74.71 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	33.6 °C	34.8 °C
Minimum	12.8 °C	16.4 °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 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)

* (↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (→) Signifies "Stable" Flow Condition & NR stands for "Not Received"