




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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY AUGUST 23, 2021

Owing to ongoing subdued monsoon activity, there is no riverine as well as urban flood situation in the country. All main rivers of the Indus River System are flowing with "Normal Discharges". Inflows/outflows of major rivers at important control structures & storage position of major reservoirs alongwith Skardu temperature may be seen at **Annexure-I**. As of today, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **10.179 MAF (75.31%** of the total Combined Live Storage Capacity of **13.516 MAF**).

2. Yesterday's trough of Westerly Wave over Northwestern parts of Afghanistan today lies over Northern parts of Afghanistan whereas weak Seasonal Low lies over Northern Balochistan. Mild 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, during the next 24 hours. Nevertheless, isolated thunderstorm/rain may occur over **Punjab (D. G. Khan Division) and Khyber Pakhtunkhwa (Bannu & D. I. Khan Divisions)** besides over the upper catchments of rivers Indus & Kabul during the same period. No significant rainfall event has been reported by FFD, Lahore during the past 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.
7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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 23-08-2021

Rivers and Reservoir Positions August 23, 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	193,000	139,000	132,000	105,000	650,000	Normal
▪ Kalabagh	950,000	216,000	209,000	106,000	99,000	650,000	Normal
▪ Chashma Reservoir	950,000	229,000	223,000	153,000	140,000	650,000	Normal
▪ Taunsa	1,000,000	259,000	236,000	146,000	126,000	650,000	Normal
▪ Guddu	1,200,000	134,000	108,000	124,000	93,000	700,000	Normal
▪ Sukkur	900,000	98,000	55,000	87,000	35,000	700,000	Normal
▪ Kotri	875,000	37,000	23,000	31,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		28,000		16,000	200,000	Normal
▪ Nowshera			45,000		19,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			6,000		5,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	22,000	9,000	22,000	24,000	225,000	Normal
▪ Rasul	850,000	9,000	8,000	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	95,000	89,000	13,000	6,000	400,000	Normal
▪ Qadirabad	900,000	96,000	78,000	23,000	6,000	400,000	Normal
▪ Trimmu	875,000	58,000	44,000	21,000	4,000	450,000	Normal
▪ Panjnad	865,000	19,000	3,000	14,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		20,000		4,000	150,000	Normal
▪ Shahdara	250,000		27,000		19,000	135,000	Normal
▪ Balloki	380,000	49,000	19,000	32,000	2,000	135,000	Normal
▪ Sidhnai	150,000	24,000	8,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	22,000	8,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	3,000	2,000	1,000	NIL	175,000	Normal

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)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1550.00	1542.93	1543.92	5.882	5.576	5.535	94.10 %
Chashma	649.00	638.15	648.10	648.50	647.30	0.278	0.253	0.198	71.22 %
Mangla	1242.00	1050.00	1216.35	1238.35	1201.80	7.356	7.065	4.446	60.44 %
Total Live Storage						13.516	12.894	10.179	75.31 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.7 °C	33.0 °C
Minimum	11.2 °C	16.3 °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"