



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



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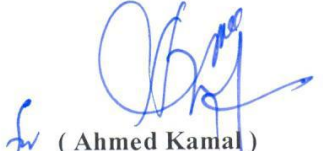
DAILY WEATHER & FLOOD SITUATION REPORT
SATURDAY, AUGUST 14, 2021

At present, all main rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej are flowing with "Normal Discharges" and there is no riverine flood situation in the country. Inflows/outflows of main rivers at important control structures, country's major reservoirs storage position alongwith Skardu Temperature at 0600 hours today may be seen at **Annexure-I**. Combined Live Storage of three major reservoirs (Tarbela, Chashma & Mangla), as of today, is **10.086 MAF** which is **74.62%** of the Existing Storage Capacity of **13.516 MAF**.

2. Yesterday's trough of Westerly Wave over Northeastern parts of Afghanistan today lies over Northern parts of the country with Seasonal Low lies over Northern Balochistan. Moist currents of **Moderate Intensity** from Arabian Sea are penetrating into upper parts of the country up to 5000 feet

3. FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala & Sargodha Divisions) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers during the next 24 hours. Scattered thunderstorm/rain of **Moderate Intensity** is also expected over **Lahore, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions of Punjab** alongwith **Northeastern Balochistan** during the same period. Noticeable rainfall events during the past 24 hours may be seen at **Annexure-II**.

4. Both Pakistan Meteorological Department (PMD), Islamabad and its Flood Forecasting Division (FFD) at Lahore are monitoring the current weather situation and keeping all informed.


(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 14-08-2021

Rivers and Reservoir Positions August 14, 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	228,000	124,000	170,000	140,000	650,000	Normal
▪ Kalabagh	950,000	175,000	167,000	187,000	179,000	650,000	Normal
▪ Chashma Reservoir	950,000	177,000	170,000	176,000	166,000	650,000	Normal
▪ Taunsa	1,000,000	174,000	148,000	159,000	131,000	650,000	Normal
▪ Guddu	1,200,000	130,000	97,000	133,000	97,000	700,000	Normal
▪ Sukkur	900,000	96,000	50,000	98,000	44,000	700,000	Normal
▪ Kotri	875,000	78,000	43,000	131,000	95,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		25,000	200,000	Normal
▪ Nowshera			45,000		38,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		7,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		7,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	22,000	10,000	34,000	21,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	19,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	93,000	62,000	60,000	26,000	400,000	Normal
▪ Khanki	1,100,000	50,000	42,000	27,000	20,000	400,000	Normal
▪ Qadirabad	900,000	38,000	21,000	23,000	3,000	400,000	Normal
▪ Trimmu	875,000	32,000	18,000	22,000	9,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	21,000	8,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		15,000		5,000	150,000	Normal
▪ Shahdara	250,000		27,000		22,000	135,000	Normal
▪ Balloki	380,000	48,000	16,000	34,000	6,000	135,000	Normal
▪ Sidhnai	150,000	19,000	3,000	21,000	3,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	NIL	NIL	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	1547.00	1518.54	1542.03	5.882	4.262	5.427	92.26 %
Chashma	649.00	638.15	641.50	640.20	646.90	0.278	0.027	0.183	65.82 %
Mangla	1242.00	1050.00	1207.65	1234.90	1202.25	7.356	6.798	4.476	60.84 %
Total Live Storage						13.516	11.087	10.086	74.62 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	34.0 °C	30.4 °C
Minimum	18.0 °C	17.4 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Attock	49
2.	Islamabad	Saidpur=39, Zeropoint=23 & Shamsabad=08
3.	Sialkot	30
4.	Murree	17
5.	Mangla	10
6.	Dhulli	07
B	Khyber Pakhtunkhwa	
7.	Malam Jabba	26
8.	Kakul	18
9.	Lower Dir	17
10.	Bannu	07
11.	Saidu Sharif	06
C	AJ&K	
12.	Rawalakot	38
13.	Bandi Abbaspur	16
14.	Kotli	14
15.	Garhi Dopatta & Chattar Kallas	05 each

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