



**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
FRIDAY SEPTEMBER 03, 2021

Presently, all main rivers of the Indus River System (rivers Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Discharges". The major rivers inflows/outflows at important control structures & storage position of major reservoirs alongwith Skardu temperature at 0600 hours may be seen at **Annexure-I**. The present Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **9.839 MAF (73% of the total Combined Live Storage Capacity of 13.516 MAF)**.

2. According to FFD, Lahore, yesterday's **Monsoon Low** still persists over Southeastern Sindh and adjoining areas whereas weak Seasonal Low continues to prevail over Northern Balochistan. Moist currents of **Moderate Intensity** from Arabian Sea are keeping on their penetration into Southeastern Sindh and adjoining Bahawalpur Division (Punjab) upto 5000 feet.

3. For the ensuing 24 hours, isolated thunderstorm/rain is expected over **Punjab (Gujranwala, Lahore & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar & Kohat Divisions)** including upper catchments of all the main rivers. Scattered thunderstorm/rain of **Moderate Intensity** may also occur over Sindh and Eastern Balochistan during the same period. Few rainfall events has been recorded during the past 24 hours which may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system 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 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 03-09-2021

Rivers and Reservoir Positions September 03, 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	241,000	253,000	106,000	158,000	650,000	Normal
▪ Kalabagh	950,000	456,000	453,000	161,000	154,000	650,000	Normal
▪ Chashma Reservoir	950,000	435,000	433,000	161,000	150,000	650,000	Normal
▪ Taunsa	1,000,000	342,000	342,000	158,000	138,000	650,000	Normal
▪ Guddu	1,200,000	346,000	339,000	139,000	109,000	700,000	Normal
▪ Sukkur	900,000	285,000	273,000	90,000	36,000	700,000	Normal
▪ Kotri	875,000	169,000	168,000	24,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		30,000		14,000	200,000	Normal
▪ Nowshera			119,000		19,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			33,000		10,000	150,000	Normal
▪ Munda Head Works	150,000		46,000		2,000	150,000	Normal
▪ Charsadda Road Bridge			36,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	70,000	72,000	17,000	34,000	225,000	Normal
▪ Rasul	850,000	68,000	68,000	31,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	72,000	59,000	36,000	5,000	400,000	Normal
▪ Khanki	1,100,000	57,000	52,000	7,000	NIL	400,000	Normal
▪ Qadirabad	900,000	60,000	38,000	15,000	NIL	400,000	Normal
▪ Trimmu	875,000	152,000	144,000	25,000	9,000	450,000	Normal
▪ Panjnad	865,000	116,000	103,000	12,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		11,000		3,000	150,000	Normal
▪ Shahdara	250,000		15,000		19,000	135,000	Normal
▪ Balloki	380,000	40,000	15,000	33,000	4,000	135,000	Normal
▪ Sidhnai	150,000	30,000	25,000	17,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	18,000	5,000	15,000	2,000	175,000	Normal
▪ Islam	332,000	6,000	4,000	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	1550.00	1546.34	5.882	5.980	5.673	96.44 %
Chashma	649.00	638.15	649.00	639.00	640.50	0.278	0.010	0.032	11.51 %
Mangla	1242.00	1050.00	1221.00	1242.00	1196.60	7.356	7.356	4.134	56.19 %
Total Live Storage						13.516	13.346	9.839	73.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	25.2 °C	25.2 °C
Minimum	14.2 °C	9.4 °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.	Lahore	(Township = 22 & Johar Town = 20)
B.	Sindh	
2.	Karachi	(Surjani Town = 18, Orangi Town = 11, Masroor = 10 & Nazimabad = 05)
3.	Badin	27
C.	Balochistan	
4.	Barkhan	10

Source: FFD, Lahore