



**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 SEPTEMBER 04, 2021

There is no riverine flood situation in the country and all main rivers of the Indus River System are flowing Normal. Inflows/outflows of major rivers at important control structures & storage position of major reservoirs alongwith Skardu temperature at 0600 hours may be seen at **Annexure-I**. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **9.702 MAF** which is **72%** of the existing Combined Live Storage Capacity of **13.516 MAF**.

2. As per FFD, Lahore **Monsoon Low** continues to prevail over Southeastern Sindh & adjoining areas with weak Seasonal Low over Northern Balochistan. Moist currents of **Moderate Intensity** from Arabian Sea are penetrating into Southeastern Sindh and adjoining Bahawalpur Division (Punjab) upto 5000 feet.

3. Under the influence of prevailing weather conditions, isolated thunderstorm/rain is expected over **Punjab (Lahore, Gujranwala & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar & Kohat Divisions), South & Southeastern Sindh and Northeastern Balochistan** including upper catchments of all the main rivers during the next 24 hours. Prominent rainfall witnessed during the past 24 hours 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
15. Chairman, Indus River System Authority, Islamabad.

Distribution:

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 04-09-2021

Rivers and Reservoir Positions September 04, 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	240,000	156,000	97,000	157,000	650,000	Normal
▪ Kalabagh	950,000	429,000	427,000	181,000	174,000	650,000	Normal
▪ Chashma Reservoir	950,000	430,000	407,000	182,000	167,000	650,000	Normal
▪ Taunsa	1,000,000	365,000	365,000	155,000	136,000	650,000	Normal
▪ Guddu	1,200,000	400,000	394,000	130,000	100,000	700,000	Normal
▪ Sukkur	900,000	307,000	291,000	98,000	45,000	700,000	Normal
▪ Kotri	875,000	176,000	176,000	24,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		25,000		14,000	200,000	Normal
▪ Nowshera			93,000		16,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			27,000		7,000	150,000	Normal
▪ Munda Head Works	150,000		43,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			37,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	60,000	63,000	15,000	34,000	225,000	Normal
▪ Rasul	850,000	53,000	53,000	32,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	72,000	59,000	35,000	5,000	400,000	Normal
▪ Khanki	1,100,000	60,000	54,000	7,000	NIL	400,000	Normal
▪ Qadirabad	900,000	57,000	35,000	16,000	NIL	400,000	Normal
▪ Trimmu	875,000	153,000	146,000	20,000	4,000	450,000	Normal
▪ Panjnad	865,000	144,000	130,000	14,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		8,000		3,000	150,000	Normal
▪ Shahdara	250,000		14,000		18,000	135,000	Normal
▪ Balloki	380,000	40,000	15,000	31,000	2,000	135,000	Normal
▪ Sidhnai	150,000	26,000	21,000	18,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	17,000	9,000	15,000	2,000	175,000	Normal
▪ Islam	332,000	6,000	5,000	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	1544.00	5.882	5.980	5.539	94.16 %
Chashma	649.00	638.15	649.00	640.00	643.40	0.278	0.024	0.087	31.29 %
Mangla	1242.00	1050.00	1221.25	1242.00	1195.80	7.356	7.356	4.076	55.41 %
Total Live Storage						13.516	13.360	9.702	72.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	29.2 °C	27.4 °C
Minimum	17.3 °C	10.6 °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.	Mandibahauddin & Aik Nullah	10 each
2.	Gujranwala	09
3.	Daulatnagar	08
4.	Kasur	06
5.	Lahore	05
B.	Sindh	
6.	Karachi	(Saadi Town = 81, Gulshan-e-Hadeed= 73, Faisal Base = 70, University Road = 69, Airport = 61, Jinnah Terminal = 57, Sarjani Town = 54, DHA = 47, North Karachi = 49, Quaidabad = 35, Masroor Base=34, Orangi Town= 33, Nazimabad=21 & Kemari = 17)
7.	Thatta	51
8.	Hyderabad	25
9.	Sakrand	09
C.	AJ&K	
10.	Palandri	35
11.	Garhi Dopatta	15
12.	Bandi Abbaspur	14
13.	Kotli	13
14.	Hajira	11
15.	Muzaffarabad , Dhulli , Rawalakot & Haraman	05 each

Source: FFD, Lahore