



**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 SEPTEMBER 07, 2021

Visible climate change impacts over Pakistan are being clearly manifested by this year's monsoon. All the main rivers are presently flowing with "Normal Discharges". For main rivers inflows/outflows at important control structures including reservoir levels and their storage position besides, Temperature at Skardu **Annexure-I** is referred. Today's, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **9.143 MAF (68%** of the existing Combined Live Storage Capacity of **13.516 MAF)**.

2. As per FFD, Lahore, Monsoon Low earlier over Northwestern Bay of Bengal today exists over South Orissa (India) and has converted into a "**Well-Marked Low/ Clearly Defined Low**" and its moist currents of **Moderate Intensity** are penetrating upto 5000 feet in upper parts of Pakistan. Westerly Wave trough presently lies over Northern parts of Afghanistan while "**Marked Seasonal Low**" is persisting over Northern Balochistan.

3. Scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** has been predicted by FFD, Lahore over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **South & Southeastern Sindh** including the upper catchments of all the main rivers during the next 24 hours. For the same time period, isolated thunderstorm/rain may also occur over **Punjab (Faisalabad, Sahiwal & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** and **Eastern Balochistan**. No significant rainfall event has been reported during the past 24 hours except for Sialkot (Punjab) and Mithi (Sindh) each of which received 26 mm rainfall.

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.
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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.

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12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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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 07-09-2021

Rivers and Reservoir Positions September 07, 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	180,000	156,000	103,000	160,000	650,000	Normal
▪ Kalabagh	950,000	230,000	227,000	171,000	164,000	650,000	Normal
▪ Chashma Reservoir	950,000	267,000	261,000	184,000	164,000	650,000	Normal
▪ Taunsa	1,000,000	456,000	456,000	155,000	136,000	650,000	Normal
▪ Guddu	1,200,000	501,000	477,000	100,000	71,000	700,000	Normal
▪ Sukkur	900,000	420,000	387,000	81,000	30,000	700,000	Normal
▪ Kotri	875,000	189,000	186,000	26,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		19,000		14,000	200,000	Normal
▪ Nowshera			49,000		13,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			13,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		14,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			15,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	75,000	76,000	13,000	39,000	225,000	Normal
▪ Rasul	850,000	50,000	49,000	34,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	58,000	46,000	28,000	5,000	400,000	Normal
▪ Khanki	1,100,000	47,000	41,000	8,000	NIL	400,000	Normal
▪ Qadirabad	900,000	48,000	24,000	18,000	NIL	400,000	Normal
▪ Trimmu	875,000	118,000	112,000	28,000	12,000	450,000	Normal
▪ Panjnad	865,000	114,000	100,000	13,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		6,000		3,000	150,000	Normal
▪ Shahdara	250,000		12,000		13,000	135,000	Normal
▪ Balloki	380,000	42,000	16,000	31,000	1,000	135,000	Normal
▪ Sidhnai	150,000	21,000	8,000	16,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	19,000	7,000	16,000	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	1536.00	5.882	5.980	5.091	86.55 %
Chashma	649.00	638.15	648.60	641.50	644.90	0.278	0.049	0.123	44.24 %
Mangla	1242.00	1050.00	1222.10	1242.00	1193.35	7.356	7.356	3.929	53.41 %
Total Live Storage						13.516	13.385	9.143	68.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	25.2 °C	32.6 °C
Minimum	13.4 °C	13.3 °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"