



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
SUNDAY AUGUST 29, 2021

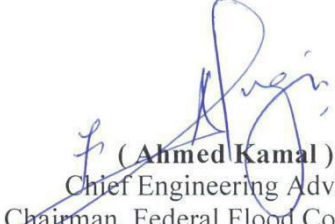
Presently, all main rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Discharges" The major rivers flows at important control structures & storage position of major reservoirs (Tarbela, Chashma & Mangla) at 0600 hours today alongwith Skardu maximum & minimum temperature may be seen at **Annexure-I**. The present Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **10.067 MAF (74.50 %** of the total existing Combined Live Storage Capacity of **13.516 MAF**).

2. Yesterday's **Trough of Westerly Wave** continues to prevail over Northern parts of the country. whereas **Seasonal Low** lies over Northeastern Balochistan and its trough is extending North-Eastwards. Yesterday's **Monsoon Low** persists over Northwest Bay of Bengal. Moist currents of moderate intensity from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country upto 5000 feet & 3000 feet respectively.

3. Under the influence of prevailing weather conditions, scattered thunderstorm/rain of **moderate intensity** are expected over the upper catchments of all major rivers, besides, Peshawar, Kohat, Bannu & D.I. Khan Divisions of **Khyber Pakhtunkhwa** and Rawalpindi, Gujranwala, Sargodha & D.G. Khan Divisions of **Punjab** during the next 24 hours. Isolated thunderstorm/rain may also occur over Lahore, Faisalabad & Sahiwal Divisions during the same period. Detail of prominent rainfall events during the past 24 hours may be seen at **Annexure-II**.

4. Owing to torrential rain in catchment area (twin cities of Islamabad/Rawalpindi) this morning, water level in Lai Nullah in Rawalpindi city went up to 8.5 feet at Gawalmandi Bridge (Pre-Alert stage). The flood water level in Lai Nullah has started receding. The concerned authorities are alert and watching the situation closely.

5. 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.

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7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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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.
16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
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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 29-08-2021

Rivers and Reservoir Positions August 29, 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	243,000	236,000	197,000	156,000	650,000	Normal
▪ Kalabagh	950,000	323,000	316,000	173,000	166,000	650,000	Normal
▪ Chashma Reservoir	950,000	310,000	305,000	178,000	163,000	650,000	Normal
▪ Taunsa	1,000,000	223,000	212,000	146,000	126,000	650,000	Normal
▪ Guddu	1,200,000	226,000	216,000	96,000	70,000	700,000	Normal
▪ Sukkur	900,000	205,000	200,000	67,000	26,000	700,000	Normal
▪ Kotri	875,000	60,000	61,000	29,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		20,000	200,000	Normal
▪ Nowshera			88,000		18,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			16,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		18,000		2,000	150,000	Normal
▪ Charsadda Road Bridge			15,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	55,000	38,000	21,000	28,000	225,000	Normal
▪ Rasul	850,000	113,000	113,000	19,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	127,000	121,000	57,000	21,000	400,000	Normal
▪ Khanki	1,100,000	149,000	144,000	32,000	24,000	400,000	Normal
▪ Qadirabad	900,000	218,000	209,000	36,000	14,000	400,000	Normal
▪ Trimmu	875,000	96,000	84,000	24,000	8,000	450,000	Normal
▪ Panjnad	865,000	53,000	38,000	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		22,000		4,000	150,000	Normal
▪ Shahdara	250,000		31,000		19,000	135,000	Normal
▪ Balloki	380,000	63,000	37,000	33,000	4,000	135,000	Normal
▪ Sidhnai	150,000	25,000	9,000	16,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	19,000	6,000	17,000	3,000	175,000	Normal
▪ Islam	332,000	7,000	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	1546.48	5.882	5.980	5.681	96.58 %
Chashma	649.00	638.15	649.00	640.70	642.60	0.278	0.035	0.070	25.17 %
Mangla	1242.00	1050.00	1219.15	1242.00	1199.80	7.356	7.356	4.316	59.00 %
Total Live Storage						13.516	13.371	10.067	74.48 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	19.6 °C	27.0 °C
Minimum	12.4 °C	12.3 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Lahore(Airport)	14
2.	Islamabad	(Zeropoint=27, Chaklala Airbase=11, Shamsabad=09 Golra=08 & Saidpur=06)
B	Khyber Pakhtunkhwa	
3.	Besham	30
4.	Lower Dir	14
5.	Pattan	12
6.	Oghi	06
7.	Parachinar	05
C	AJ&K	
8.	Palandri	30
9.	Rawalakot	05
D	Gilgit Baltistan	
10.	Astore	12
11.	Bagrote, Bunji & Skardu	07 each

Source: FFD, Lahore