



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk


DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY AUGUST 20, 2021

Inflows at Tarbela Dam have reduced further (**111,000 cusecs of today Vs 114,000 cusecs of yesterday**). At present all main rivers of the Indus River System are flowing with "Normal Discharges" (**Annexure-I**). IRSA and Tarbela Dam Management authorities are making efforts for judicious releases in line with the approved SOPs so as to ensure maximum storage. As of today, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **10.096 MAF (75.00%** of the total Combined Live Storage Capacity of **13.516 MAF**).

2. As per FFD, Lahore, yesterday's Monsoon Low over Northeastern Madhya Pradesh (India) has weakened and converted into a Trough. Monsoon currents of moderate intensity from Arabian Sea and Bay of Bengal are penetrating into upper parts of the country up to 5000 feet and 3000 feet respectively. Westerly Wave Trough earlier over Northern parts of Afghanistan now exists over Northeastern Afghanistan and adjoining areas with weak Seasonal Low continues to prevail over Northeastern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** over **Islamabad, Rawalpindi Division, besides Peshawar, Kohat & Bannu Divisions of Khyber Pakhtunkhwa** and upper catchments of rivers Indus, Kabul & Jhelum. For the same time span, isolated thunderstorm/rain may also occur over **Gujranwala, Sargodha, Lahore & Bahawalpur Divisions of Punjab Province**, besides, upper catchments of rivers Chenab, Ravi & Sutlej. A few rainfall events have been reported during the past 24 hours (**Annexure-II**).

4. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant of the situation.


(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

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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
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17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
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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.
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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 20-08-2021

Rivers and Reservoir Positions August 20, 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	263,000	149,000	111,000	144,000	650,000	Normal
▪ Kalabagh	950,000	282,000	274,000	177,000	169,000	650,000	Normal
▪ Chashma Reservoir	950,000	252,000	247,000	184,000	170,000	650,000	Normal
▪ Taunsa	1,000,000	168,000	143,000	169,000	141,000	650,000	Normal
▪ Guddu	1,200,000	127,000	96,000	121,000	90,000	700,000	Normal
▪ Sukkur	900,000	89,000	39,000	81,000	32,000	700,000	Normal
▪ Kotri	875,000	48,000	8,000	36,000	1,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		36,000		21,000	200,000	Normal
▪ Nowshera			45,000		28,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			12,000		12,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		7,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		5,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	22,000	10,000	23,000	34,000	225,000	Normal
▪ Rasul	850,000	21,000	20,000	27,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	88,000	62,000	49,000	13,000	400,000	Normal
▪ Khanki	1,100,000	65,000	57,000	13,000	6,000	400,000	Normal
▪ Qadirabad	900,000	66,000	48,000	15,000	NIL	400,000	Normal
▪ Trimmu	875,000	29,000	15,000	25,000	12,000	450,000	Normal
▪ Panjnad	865,000	16,000	NIL	13,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		11,000		4,000	150,000	Normal
▪ Shahdara	250,000		30,000		20,000	135,000	Normal
▪ Balloki	380,000	41,000	10,000	24,000	NIL	135,000	Normal
▪ Sidhnai	150,000	23,000	7,000	16,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	17,000	4,000	15,000	2,000	175,000	Normal
▪ Islam	332,000	1,000	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	1550.00	1536.93	1541.99	5.882	5.240	5.424	92.21 %
Chashma	649.00	638.15	643.00	646.70	646.60	0.278	0.176	0.173	62.23 %
Mangla	1242.00	1050.00	1214.50	1237.35	1202.60	7.356	6.988	4.499	61.16 %
Total Live Storage						13.516	12.404	10.096	75.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	31.8 °C	33.1 °C
Minimum	19.0 °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.	Islamabad	14
B	Khyber Pakhtunkhwa	
2.	Cherat	19
3.	Malam Jabba	14
4.	Kohat	08
5.	Buner	06
C	AJ&K	
6.	Garhi Dopatta	09

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