



**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 AUGUST 17, 2021**

Owing to ongoing subdued monsoon activity, there is no riverine as well as urban flood situation in the country. All main rivers of the Indus River System are flowing with "Normal Discharges". Due to continued low temperature in Skardu, reduced inflows in river Indus at Tarbela Dam is being observed (**Annexure-I**). Owing to reduced inflows at Tarbela and at Partab Bridge (1<sup>st</sup> discharge measuring point at Indus river u/s Tarbela in Gilgit-Baltistan, Pakistan), IRSA and Tarbela Dam Management authorities are advised to ensure judicious releases from Tarbela reservoir as per approved SOPs so as to get maximum storage. As of today, during this Monsoon Season, country's maximum Live Storage has reached to **10.343 MAF (76.52 % of total value of 13.516 MAF)**.


2. Yesterday's Monsoon Low over Northwest Bay of Bengal (India) continues to exist. Seasonal Low (although weak) continues to prevail over Northern Balochistan bringing in mild moist currents from the Arabian Sea which are penetrating into the upper parts of Pakistan up to 3000 feet.

3. For the ensuing 24 hours, mainly dry weather has been predicted by FFD, Lahore over most parts of the country. Nevertheless during the same time span, isolated thunderstorm/rain may occur over **Punjab, Khyber Pakhtunkhwa and Northeastern Balochistan** including the upper catchments of rivers Indus, Jhelum, Chenab, Ravi and Sutlej. Except for 06 mm in Kasur (Punjab) not much rainfall activity has been reported by FFD, Lahore for the past 24 hours.

**20<sup>th</sup> to 22<sup>nd</sup> August 2021 Weather & Flood Prediction:**

4. As per FFD, Lahore, for the period between August 20-22, 2021, a fresh wet spell of monsoon rain (**Moderate Intensity** with isolated **Heavy Falls**) is expected over **Islamabad, D.G. Khan & Bahawalpur Divisions (Punjab)** and **Peshawar, Kohat & Bannu Divisions (Khyber Pakhtunkhwa)** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej. This may result in increased inflows in rivers Jhelum & Chenab alongwith associated Nullahs of rivers Ravi & Chenab besides, the Hill torrents of D.G. Khan Division (Punjab) during the above mentioned time period.

5. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system specifically with reference to the intensity and movement of **Monsoon Low** and its likely impact on Pakistan. FFD, Lahore is keeping all concerned fully cognizant of the situation.

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

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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.
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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 17-08-2021

## Rivers and Reservoir Positions August 17, 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
<b>River Indus</b>							
▪ Tarbela Reservoir	1,500,000	245,000	139,000	144,000	107,000	650,000	Normal
▪ Kalabagh	950,000	169,000	161,000	156,000	148,000	650,000	Normal
▪ Chashma Reservoir	950,000	172,000	165,000	185,000	175,000	650,000	Normal
▪ Taunsa	1,000,000	174,000	148,000	168,000	140,000	650,000	Normal
▪ Guddu	1,200,000	133,000	100,000	121,000	90,000	700,000	Normal
▪ Sukkur	900,000	89,000	39,000	86,000	35,000	700,000	Normal
▪ Kotri	875,000	83,000	44,000	58,000	22,000	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		32,000		22,000	200,000	Normal
▪ Nowshera			45,000		33,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			9,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		10,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		6,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	23,000	10,000	26,000	11,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	19,000	16,000	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	93,000	62,000	48,000	13,000	400,000	Normal
▪ Khanki	1,100,000	50,000	42,000	16,000	8,000	400,000	Normal
▪ Qadirabad	900,000	46,000	32,000	20,000	NIL	400,000	Normal
▪ Trimmu	875,000	22,000	8,000	19,000	7,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	16,000	NIL	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		7,000		4,000	150,000	Normal
▪ Shahdara	250,000		25,000		21,000	135,000	Normal
▪ Balloki	380,000	46,000	14,000	34,000	5,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	17,000	NIL	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	17,000	3,000	16,000	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	1547.05	1530.93	1545.58	5.882	4.911	5.629	96.00 %
Chashma	649.00	638.15	641.50	644.70	646.80	0.278	0.118	0.179	64.38 %
Mangla	1242.00	1050.00	1211.45	1235.95	1203.15	7.356	6.879	4.535	62.00 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>11.908</b>	<b>10.343</b>	<b>76.52 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	36.1 °C	24.6 °C
Minimum	13.3 °C	7.3 °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"