



**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**  
**TUESDAY, AUGUST 10, 2021**

At present, all main rivers of Indus River System i.e. River Indus, Jhelum, Chenab, Ravi & Sutlej are flowing with "Normal Discharges" and there is no riverine flood situation in the country. Inflows/Outflows of main rivers at important control structures, country's major reservoir's storage position at 0600 hours today and Skardu Temperature may be seen at **Annexure-I**. Today's Combined Live Storage of country's three major reservoirs i.e. Tarbela, Mangla & Chashma is **9.842 MAF** which is **73%** of the existing Combined Live Storage Capacity of **13.516 MAF**.

2. Trough of Westerly Wave earlier over Northern parts of the country today lies over Kashmir and adjoining areas while Seasonal Low continues to prevail over Northern Balochistan. Mild moist currents from Arabian Sea are penetrating into upper parts of the country up to 3000 feet. (Ref: FFD Lahore Bulletin No. A-057/2021).

3. Isolated thunderstorm/rain of **Moderate Intensity** is expected over **Islamabad, Punjab Province (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber Pakhtunkhwa Province** including upper catchments of all main rivers during the next 24 hours. Few rainfall events have been reported during the past 24 hours in **Punjab Province (Annexure-II)**.

4. Effective and Round-the-Clock monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department and keeping all concerned fully abreast of the situation through its Flood Forecasting Division at Lahore.

  
(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 10-08-2021

## Rivers and Reservoir Positions August 10, 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	229,000	110,000	155,000	127,000	650,000	Normal
▪ Kalabagh	950,000	177,000	169,000	149,000	143,000	650,000	Normal
▪ Chashma Reservoir	950,000	177,000	170,000	182,000	167,000	650,000	Normal
▪ Taunsa	1,000,000	180,000	156,000	186,000	163,000	650,000	Normal
▪ Guddu	1,200,000	148,000	146,000	231,000	192,000	700,000	Normal
▪ Sukkur	900,000	147,000	108,000	227,000	170,000	700,000	Normal
▪ Kotri	875,000	51,000	26,000	109,000	74,000	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		33,000		24,000	200,000	Normal
▪ Nowshera			42,000		39,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			10,000		14,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		8,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	31,000	8,000	34,000	34,000	225,000	Normal
▪ Rasul	850,000	8,000	5,000	3,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	88,000	56,000	64,000	30,000	400,000	Normal
▪ Khanki	1,100,000	45,000	37,000	34,000	27,000	400,000	Normal
▪ Qadirabad	900,000	38,000	21,000	29,000	9,000	400,000	Normal
▪ Trimmu	875,000	14,000	NIL	34,000	18,000	450,000	Normal
▪ Panjnad	865,000	19,000	5,000	32,000	18,000	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		6,000		6,000	150,000	Normal
▪ Shahdara	250,000		24,000		22,000	135,000	Normal
▪ Balloki	380,000	40,000	8,000	38,000	9,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	24,000	7,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	15,000	1,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	3,000	1,000	2,000	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	1545.00	1500.80	1541.00	5.882	3.384	5.368	91.26 %
Chashma	649.00	638.15	641.50	640.50	643.70	0.278	0.032	0.093	33.50 %
Mangla	1242.00	1050.00	1203.00	1233.35	1200.80	7.356	6.677	4.381	60.00 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>10.093</b>	<b>9.842</b>	<b>73.00 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	29.7 °C	27.3 °C
Minimum	16.3 °C	13.0 °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)
<b>A</b>	<b>Punjab</b>	
1.	Joharabad	24
2.	Sharqpur	13
3.	D.G. Khan	10
4.	Noorpur Thal	06

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