



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**  
**SUNDAY AUGUST 01, 2021**

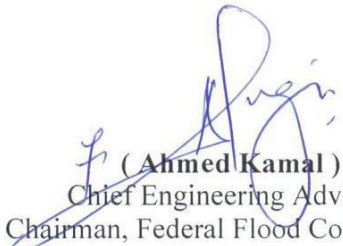
River Indus in "**Kalabagh-Chashma Reach**", River Chenab at **Khanki Barrage** and River Kabul at **Nowshera** are flowing in **Low Flood**. All other main rivers (**Jhelum, Ravi & Sutlej**) are flowing Normal. The inflows/outflows of major rivers at important control structures & storage position of major reservoirs may be seen at **Annexure-I**. **Tarbela** and **Mangla** Reservoirs are at elevation of **1521.00 feet** and **1190.80 feet** i.e. **29.00 feet** and **51.20 feet** below their respective Maximum Conservation Level of **1550 feet** and **1242 feet**.

2. Yesterday's **Well Marked Monsoon Low** over Northwestern Jharkhand (India) has moved North-Westwards and today lies over Southeastern Uttar Pradesh (India). Yesterday's trough of Westerly Wave over Northern parts of the country has moved away Eastwards and a fresh trough of Westerly Wave lies over Northern parts of Afghanistan. Weak Seasonal Low lies over Northeastern Balochistan. Light to Moderate moist current from Bay of Bengal and Arabian Sea is penetrating into upper parts of the country up to 5000 feet.

3. As predicted by FFD Lahore, scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** is expected over Rawalpindi, D.G. Khan & Bahawalpur Divisions of **Punjab**, Peshawar, Kohat, Bannu & D.I. Khan Divisions of **Khyber Pakhtunkhwa** and upper catchments of all the main rivers during the next 24 hours. **Isolated** thunderstorm/rain of **Moderate Intensity** with one or two **Heavy Falls** may also occur over **Punjab** (Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Multan Divisions) during the same period. Prominent rainfall events reported by FFD, Lahore, during the past 24 hours may be seen at **Annexure-II**.

4. All concerned Authorities are advised to remain **vigilant** on **24 hours basis**, closely watch the weather and flood situation and ensure necessary precautionary measures to avoid any loss of precious human lives and damage to private & public properties.

5. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis 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.
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5. Secretary, Ministry of Water Resources, Islamabad.
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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 01-08-2021

## Rivers and Reservoir Positions August 01, 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	205,000	123,000	328,000	219,000	650,000	Normal
▪ Kalabagh	950,000	182,000	174,000	271,000	265,000	650,000	Low Flood ↓
▪ Chashma Reservoir	950,000	196,000	190,000	331,000	322,000	650,000	Low Flood ↑
▪ Taunsa	1,000,000	187,000	165,000	276,000	247,000	650,000	Normal
▪ Guddu	1,200,000	156,000	124,000	153,000	111,000	700,000	Normal
▪ Sukkur	900,000	108,000	51,000	98,000	44,000	700,000	Normal
▪ Kotri	875,000	64,000	24,000	63,000	26,000	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		35,000		38,000	200,000	Normal
▪ Nowshera			49,000		77,000	200,000	Low Flood ↑
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			16,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		11,000		16,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		11,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	62,000	16,000	50,000	11,000	225,000	Normal
▪ Rasul	850,000	12,000	5,000	7,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	72,000	40,000	119,000	96,000	400,000	Normal
▪ Khanki	1,100,000	36,000	29,000	107,000	100,000	400,000	Low Flood ↓
▪ Qadirabad	900,000	37,000	15,000	101,000	81,000	400,000	Normal
▪ Trimmu	875,000	27,000	12,000	92,000	76,000	450,000	Normal
▪ Panjnad	865,000	31,000	15,000	24,000	8,000	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		14,000		8,000	150,000	Normal
▪ Shahdara	250,000		32,000		19,000	135,000	Normal
▪ Balloki	380,000	47,000	16,000	51,000	23,000	135,000	Normal
▪ Sidhnai	150,000	21,000	7,000	28,000	12,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	14,000	1,000	17,000	3,000	175,000	Normal
▪ Islam	332,000	2,000	NIL	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	1532.00	1472.30	1521.00	5.882	2.115	4.290	73.00 %
Chashma	649.00	638.15	640.00	647.30	639.50	0.278	0.198	0.017	6.11 %
Mangla	1242.00	1050.00	1190.65	1230.30	1190.80	7.356	6.441	3.776	51.33 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>8.754</b>	<b>8.083</b>	<b>60.00 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	33.4 °C	31.0 °C
Minimum	17.3 °C	18.5 °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)

\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) 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.	Lahore	(Shahi Qilla=132, Shahdara=128, Misri Shah=105, Jail Road & Luckshami=60 each, Gulburg=49, Mughal Pura=32, Airport=26 Upper Mall=21, Samanabad=18)
2.	Phulra	72
3.	Murree	31
4.	Mangla	30
5.	Kallar	25
6.	Bahawalpur	(Airport=30 & City=19)
7.	Okara	12
<b>B</b>	<b>Khyber Pakhtunkhwa</b>	
8.	Kakul	40
9.	Dir	26
10.	Malam Jabba	22
11.	Parachinar	17
12.	Mohmand Dam	10
<b>C</b>	<b>Balochistan</b>	
13.	Zhob	12
14.	Sibbi	11
<b>D</b>	<b>A J &amp; K</b>	
15	Garhi Dupatta	10

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