



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

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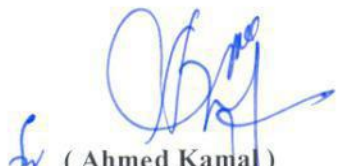
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**THURSDAY JULY 22, 2021**

At present, all main rivers of Indus River System i.e Indus, Jhelum, Chenab, Ravi and Sutlej are flowing with normal discharges except for river **Kabul** which is flowing in **Low Flood** at **Nowshera**. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.494 MAF (40.64%** of the total Combined Live Storage Capacity of **13.516 MAF)**. **Annexure-I** depicts actual river inflows/outflows, reservoir elevations, live storage and today's temperature at Skardu.

2. Trough of strong Westerly Wave earlier over Kashmir and adjoining areas has moved away Eastwards. Weak Seasonal Low prevails over Northern Balochistan. Weak moist currents from Arabian Sea and Bay of Bengal are penetrating into upper parts of the country upto 3000 feet. A low-pressure area has formed over Northwestern Bay of Bengal and Neighbourhood.

3. For the ensuing 24 hours, FFD, Lahore, has predicted isolated thunderstorm/ rain over Punjab, Sindh and Khyber Pakhtunkhwa including upper catchments of all the main rivers. Past 24 hours rainfall events reported by FFD, Lahore may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all the concerned informed through FFD, Lahore.

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

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29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
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36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
43. PS to CEA/ CFCC Islamabad.

U.O. No. FC-I (31)/2021, dated 22-07-2021

## Rivers and Reservoir Positions July 22, 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	180,000	137,000	274,000	79,000	650,000	Normal
▪ Kalabagh	950,000	211,000	203,000	192,000	188,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	210,000	203,000	225,000	210,000	650,000	Normal
▪ Taunsa	1,000,000	219,000	196,000	209,000	181,000	650,000	Normal
▪ Guddu	1,200,000	186,000	151,000	164,000	122,000	700,000	Normal
▪ Sukkur	900,000	129,000	71,000	106,000	51,000	700,000	Normal
▪ Kotri	875,000	62,000	19,000	25,000	NIL	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		32,000		40,000	200,000	Normal
▪ Nowshera			50,000		87,000	200,000	Low Flood (S)
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			16,000		19,000	150,000	Normal
▪ Munda Head Works	150,000		12,000		16,000	150,000	Normal
▪ Charsadda Road Bridge			9,000		11,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	36,000	13,000	51,000	10,000	225,000	Normal
▪ Rasul	850,000	23,000	16,000	9,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	65,000	35,000	79,000	54,000	400,000	Normal
▪ Khanki	1,100,000	32,000	25,000	81,000	76,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	91,000	71,000	400,000	Normal
▪ Trimmu	875,000	23,000	8,000	38,000	22,000	450,000	Normal
▪ Panjnad	865,000	20,000	4,000	24,000	9,000	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		10,000		14,000	150,000	Normal
▪ Shahdara	250,000		23,000		36,000	135,000	Normal
▪ Balloki	380,000	49,000	27,000	50,000	23,000	135,000	Normal
▪ Sidhnai	150,000	24,000	14,000	17,000	1,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	18,000	9,000	14,000	3,000	175,000	Normal
▪ Islam	300,000	5,000	5,000	2,000	1,000	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	1498.95	1459.20	1483.38	5.882	1.570	2.508	42.64 %
Chashma	649.00	638.15	645.80	648.00	643.80	0.278	0.227	0.096	34.53 %
Mangla	1242.00	1050.00	1175.40	1227.85	1174.45	7.356	6.259	2.890	39.29 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>8.056</b>	<b>5.494</b>	<b>40.64 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	20.4 °C	20.3 °C
Minimum	11.2 °C	12.2 °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"

\* FFC, Flood Communication Cell Duty Officer No. 051-9244616

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**DAILY WEATHER AND FLOOD SITUATION REPORT**

**THURSDAY JULY 22, 2021**

**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/ Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Kallar	23
2.	Murree	07
3.	Marala	06
4.	Sialkot & D.G Khan	05 each
<b>B</b>	<b>Sindh</b>	
5.	Rohri	32
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
6.	Mohmand Dam	55
7.	Parachinar	19
8.	Tarbela	18
9.	Dir	15
10.	Buner	13
11.	Phulra	12
12.	Balakot	10
13.	Peshawar	09
14.	Babusar	06
15.	Shinkiari & Oghi	05 each
<b>D</b>	<b>Gilgit Baltistan</b>	
16.	Astore	16
17.	Bagrote & Gupis	10 each
18.	Gilgit	05
<b>E</b>	<b>AJ&amp;K</b>	
19.	Rawalakot	80
20.	Muzaffarabad	27
21.	Chakothe	16
22.	Palandri & Kotli	12 each
23.	Panjera & Domel	05 each

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