



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

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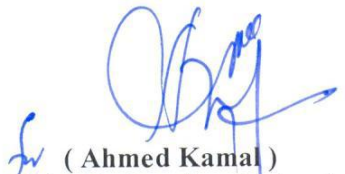
**DAILY WEATHER & FLOOD SITUATION REPORT  
SATURDAY AUGUST 21, 2021**

All main rivers of the Indus River System (i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Discharges" and there is no riverine flood situation in the country. Inflows/outflows of major rivers at important control structures & storage position of major reservoirs may be seen at **Annexure-I**. As of today, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **10.157 MAF (75.14%** of the total Combined Live Storage Capacity of **13.516 MAF)**.

2. According to FFD, Lahore, Monsoon Currents of **Moderate Intensity** from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country upto 5000 feet. Yesterday's trough of Westerly Wave continues to prevail over Northeastern Afghanistan and adjoining areas whereas weak Seasonal Low lies over Northeastern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including upper catchments of all the major rivers. Significant rainfall events reported during the past 24 hours may be seen at (**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

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Information & Broadcasting, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad
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
11. Member (Infrastructure), Planning Commission, Islamabad
12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad

## **Distribution:**

15. Chairman, Indus River System Authority, Islamabad
16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
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.
26. Secretary, Irrigation Department, Government of Sindh, Karachi.
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 21-08-2021

## Rivers and Reservoir Positions August 21, 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	239,000	158,000	121,000	95,000	650,000	Normal
▪ Kalabagh	950,000	230,000	222,000	176,000	169,000	650,000	Normal
▪ Chashma Reservoir	950,000	276,000	269,000	134,000	116,000	650,000	Normal
▪ Taunsa	1,000,000	175,000	149,000	163,000	141,000	650,000	Normal
▪ Guddu	1,200,000	125,000	100,000	195,000	152,000	700,000	Normal
▪ Sukkur	900,000	88,000	38,000	122,000	66,000	700,000	Normal
▪ Kotri	875,000	43,000	4,000	31,000	NIL	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		36,000		19,000	200,000	Normal
▪ Nowshera			49,000		23,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			12,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		7,000		4,000	150,000	Normal
▪ Charsadda Road Bridge			6,000		5,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	25,000	8,000	24,000	34,000	225,000	Normal
▪ Rasul	850,000	13,000	12,000	26,000	8,000	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	82,000	56,000	53,000	17,000	400,000	Normal
▪ Khanki	1,100,000	51,000	44,000	14,000	7,000	400,000	Normal
▪ Qadirabad	900,000	51,000	33,000	23,000	3,000	400,000	Normal
▪ Trimmu	875,000	50,000	36,000	23,000	7,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	13,000	NIL	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		18,000		3,000	150,000	Normal
▪ Shahdara	250,000		24,000		20,000	135,000	Normal
▪ Balloki	380,000	54,000	25,000	30,000	1,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	15,000	NIL	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	19,000	6,000	14,000	2,000	175,000	Normal
▪ Islam	332,000	2,000	1,000	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	1538.93	1542.11	5.882	5.350	5.431	92.33 %
Chashma	649.00	638.15	645.70	646.60	648.40	0.278	0.173	0.247	89.00 %
Mangla	1242.00	1050.00	1215.20	1237.75	1202.30	7.356	7.019	4.479	61.00 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>12.542</b>	<b>10.157</b>	<b>75.14 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	26.1 °C	33.4 °C
Minimum	15.2 °C	19.1 °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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**SATURDAY AUGUST 21, 2021**

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

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Lahore	65
2.	Sialkot	54
3.	D.G. Khan	13
4.	Gujrat	11
5.	Islamabad	08
6.	Chakwal & Gujranwala	06
7.	Sharqpur	05
<b>B Khyber Pakhtunkhwa</b>		
8.	Buner & Daggar	28
9.	Oghi	18
10.	Malam Jabba	15
11.	Besham	11
12.	Kohat	07
13.	Dir & Balakot	05
<b>C Balochistan</b>		
14.	Barkhan	06
<b>D AJ&amp;K</b>		
15.	Bandi Abbaspur	62
16.	Dhulli	53
17.	Palandri	43
18.	Kallar	28
19.	Brarkot	17
20.	Muzaffarabad	12
21.	Chattar Kallas	10
22.	Kotli & Hajira	08
23.	Haraman	07
24.	Garhi Dopatta	06
25.	Chakothe	05

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