



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, AUGUST 12, 2021

At present, all main rivers i.e. 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 reservoirs storage position alongwith Skardu Temperature at 0600 hours today may be seen at **Annexure-I**. Combined live storage of three major reservoirs (Tarbela, Chashma & Mangla), as of today, is **9.894 MAF** which is **73.20%** of the existing storage capacity of **13.516 MAF**.


2. According to FFD, Lahore, a fresh through of Westerly Wave lies over Northern parts of Afghanistan with Seasonal Low continues to prevail over Northern Balochistan. Moist currents from Arabian Sea are penetrating into upper parts of the country up to 3000 feet.

3. Isolated thunderstorm/rain of **Moderate Intensity** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa Province** including upper catchments of all the main rivers during next 24 hours. No prominent rainfall event has been reported for the past 24 hours except 52 mm in Dir (KP) and 07 mm in Garhi Dopatta (AJ&K).

Weather/Rainfall Forecast during 13th to 15th August 2021:

4. FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala & Sargodha Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the main rivers during **13th to 15th August 2021**. Scattered thunderstorm/rain of **Moderate Intensity** may also occur **Lahore, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions of Punjab Province** and **Northeastern Balochistan** during the same period.

5. FFD, Lahore, is monitoring the current weather situation on Round-the-Clock basis and keeping informed all concerned as per its charter of duties.


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

Distribution:

1. Minister for Water Resources, Islamabad.
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3. Minister for Information & Broadcasting, Islamabad.
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6. Secretary, Ministry of Climate Change, Islamabad.
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9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

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18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
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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 12-08-2021

Rivers and Reservoir Positions August 12, 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
River Indus							
▪ Tarbela Reservoir	1,500,000	252,000	108,000	158,000	153,000	650,000	Normal
▪ Kalabagh	950,000	204,000	196,000	152,000	145,000	650,000	Normal
▪ Chashma Reservoir	950,000	177,000	170,000	178,000	166,000	650,000	Normal
▪ Taunsa	1,000,000	172,000	146,000	169,000	149,000	650,000	Normal
▪ Guddu	1,200,000	145,000	115,000	161,000	122,000	700,000	Normal
▪ Sukkur	900,000	125,000	80,000	123,000	65,000	700,000	Normal
▪ Kotri	875,000	45,000	15,000	128,000	92,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		34,000		22,000	200,000	Normal
▪ Nowshera			51,000		34,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		14,000	150,000	Normal
▪ Munda Head Works	150,000		9,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		7,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	25,000	13,000	35,000	12,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	19,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	77,000	46,000	56,000	21,000	400,000	Normal
▪ Khanki	1,100,000	40,000	32,000	27,000	20,000	400,000	Normal
▪ Qadirabad	900,000	39,000	22,000	21,000	1,000	400,000	Normal
▪ Trimmu	875,000	14,000	NIL	22,000	6,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	27,000	12,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		16,000		6,000	150,000	Normal
▪ Shahdara	250,000		25,000		22,000	135,000	Normal
▪ Balloki	380,000	44,000	13,000	37,000	9,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	24,000	6,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	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	1546.43	1510.20	1541.12	5.882	3.841	5.374	91.36 %
Chashma	649.00	638.15	641.50	640.50	643.40	0.278	0.032	0.087	31.29 %
Mangla	1242.00	1050.00	1205.50	1234.25	1201.60	7.356	6.747	4.433	60.26 %
Total Live Storage						13.516	10.620	9.894	73.20 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	31.2 °C	32.6 °C
Minimum	17.3 °C	15.4 °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"