



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
WEDNESDAY AUGUST 18, 2021

No significant rainfall event has been observed over the country during the past 24 hours. Owing to subdued monsoon activity, all main rivers of the Indus River System are flowing with "Normal Discharges". Persistently low temperature in Skardu have considerably reduced (41.22 % less inflows as compared to value experienced last year) inflows in river Indus at Tarbela Dam (**Annexure-I**). Owing to reduced inflows at Tarbela and at Partab Bridge (1st discharge measuring point at Indus river u/s Tarbela in Gilgit-Baltistan, Pakistan), IRSA and Tarbela Dam Management authorities are advised to ensure judicious releases from Tarbela reservoir as per approved SOPs so as to get maximum storage. As of today, country's three major reservoirs Live Storage is **10.289 MAF (76.12 % of total figure of 13.516 MAF)**.

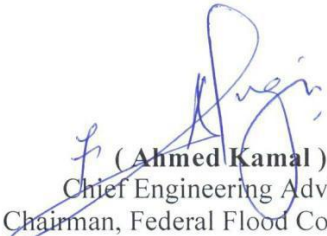
2. A fresh trough of Westerly Wave lies over Northeastern parts of Iran whereas weak Seasonal Low continues to prevail over Northern Balochistan. Yesterday's Monsoon Low over Northwest Bay of Bengal (India) today lies over North Orissa (India). Monsoon currents from the Arabian Sea & Bay of Bengal are likely to intensify and remain active from **19th to 22nd August 2021**.

3. For the ensuing 24 hours, mainly dry weather has been predicted by FFD, Lahore over most parts of the country. Nevertheless during the same time span, isolated thunderstorm/rain may occur over **Punjab, Khyber Pakhtunkhwa and Northeastern Balochistan** including upper catchments of rivers Indus, Jhelum, Chenab, Ravi and Sutlej.

Rainfall/ Weather & Flood Prediction for the period 20th to 22nd August 2021:

4. According to FFD, Lahore, a fresh wet spell of scattered thunderstorm/ rains with isolated **Heavy to Very Heavy Falls** is expected over **Islamabad, D.G. Khan & Bahawalpur Divisions (Punjab)** and **Peshawar, Kohat & Bannu Divisions (Khyber Pakhtunkhwa)** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej during the period August 20-22, 2021. This may result in increased inflows in rivers Jhelum & Chenab alongwith associated Nullahs of rivers Ravi & Chenab, besides, Hill torrents of D.G. Khan Division (Punjab) during the same period.

5. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system specifically with reference to the intensity and movement of **Monsoon Low** and its likely impact on Pakistan's 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.
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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 18-08-2021

Rivers and Reservoir Positions August 18, 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	231,000	158,000	118,000	143,000	650,000	Normal
▪ Kalabagh	950,000	194,000	186,000	144,000	137,000	650,000	Normal
▪ Chashma Reservoir	950,000	171,000	165,000	181,000	167,000	650,000	Normal
▪ Taunsa	1,000,000	171,000	145,000	161,000	133,000	650,000	Normal
▪ Guddu	1,200,000	135,000	102,000	121,000	90,000	700,000	Normal
▪ Sukkur	900,000	90,000	39,000	83,000	32,000	700,000	Normal
▪ Kotri	875,000	69,000	32,000	45,000	9,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		34,000		20,000	200,000	Normal
▪ Nowshera			44,000		28,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			12,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		6,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	50,000	9,000	21,000	15,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	15,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	93,000	62,000	41,000	6,000	400,000	Normal
▪ Khanki	1,100,000	65,000	57,000	11,000	4,000	400,000	Normal
▪ Qadirabad	900,000	57,000	47,000	10,000	NIL	400,000	Normal
▪ Trimmu	875,000	31,000	16,000	22,000	9,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	15,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		10,000		4,000	150,000	Normal
▪ Shahdara	250,000		23,000		21,000	135,000	Normal
▪ Balloki	380,000	37,000	5,000	32,000	3,000	135,000	Normal
▪ Sidhnai	150,000	21,000	6,000	16,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	19,000	5,000	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 (FL-AMSL)	Minimum Operating Level (FL-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	1548.45	1532.93	1544.70	5.882	5.021	5.581	95.00 %
Chashma	649.00	638.15	641.50	644.70	646.50	0.278	0.118	0.170	61.15 %
Mangla	1242.00	1050.00	1212.65	1236.40	1203.20	7.356	6.914	4.538	62.00 %
Total Live Storage						13.516	12.053	10.289	76.12 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	38.2 °C	29.6 °C
Minimum	19.3 °C	8.3 °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"