



**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
SUNDAY SEPTEMBER 19, 2021**

Due to depressed “Monsoon Activity”, all main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing normal right from respective catchments upto Kotri Barrage (the last control structure on Indus River). Presently country’s major reservoirs (Tarbela, Chashma & Mangla) storage stands at **61.88%** of the total Combined Live Storage Capacity of **13.516 MAF**. For detailed rivers inflows/outflows, **Annexure-I** is referred.

2. Yesterday’s **Monsoon Low** over Northwestern Madhya Pradesh (India) today lies over Eastern Rajasthan (India) and adjoining areas. Westerly Wave trough, earlier over Northern parts of Afghanistan today lies over Northeastern parts of Afghanistan whereas Seasonal Low continues to persist over Northeastern Balochistan. Weak moist currents from Arabian Sea are penetrating upto 3000 feet into the upper parts of the country.


Next 24 hours prediction:

3. According to FFD, Lahore, mainly dry Weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/ rain may occur over **Gujranwala & Lahore Division of Punjab and Southeastern Sindh, besides upper catchments of all the major rivers** during the same period. No significant rainfall event has been reported by FFD, Lahore during the past 24 hours, except for **Punjab** (Sialkot=55 mm) and **AJ&K** (Kotli=27 mm, Muzaffarabad=21 mm, Domel=14 mm and Garhi Dopatta=05 mm).

Significant Weather Outlook for next 48 hours:

4. Scattered thunderstorm/ rain of light to moderate intensity is expected over **Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** and upper catchments of all the major rivers during the next 48 hours.

5. Good and coordinated monitoring of existing meteorological conditions over Pakistan is being exercised by Pakistan Meteorological Department and is keeping all concerned fully abreast of the situation through its Flood Forecasting Division at 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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14. Chairman, National Highway Authority, Islamabad
15. Chairman, Indus River System Authority, Islamabad.
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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 19-09-2021

Rivers and Reservoir Positions September 19, 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							
▪ <i>Tarbela Reservoir</i>	1,500,000	92,000	70,000	102,000	163,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	109,000	102,000	135,000	127,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	128,000	122,000	166,000	143,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	120,000	98,000	137,000	116,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	129,000	103,000	130,000	97,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	134,000	117,000	71,000	19,000	700,000	Normal
▪ <i>Kotri</i>	875,000	300,000	284,000	27,000	2,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		11,000		14,000	200,000	Normal
▪ <i>Nowshera</i>			15,000		15,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			6,000		7,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		4,000		2,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			4,000		2,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	23,000	57,000	18,000	26,000	225,000	Normal
▪ <i>Rasul</i>	850,000	58,000	38,000	29,000	8,000	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	37,000	7,000	30,000	5,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	10,000	2,000	8,000	1,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	22,000	NIL	21,000	NIL	400,000	Normal
▪ <i>Trimmu</i>	875,000	35,000	21,000	37,000	21,000	450,000	Normal
▪ <i>Panjanad</i>	865,000	37,000	22,000	28,000	11,000	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		4,000		6,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		18,000		19,000	135,000	Normal
▪ <i>Balloki</i>	380,000	41,000	8,000	36,000	6,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	22,000	5,000	21,000	3,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	16,000	2,000	16,000	2,000	175,000	Normal
▪ <i>Islam</i>	332,000	1,000	NIL	4,000	3,000	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	1542.63	1550.00	1525.03	5.882	5.980	4.501	76.52 %
Chashma	649.00	638.15	646.50	647.90	643.70	0.278	0.223	0.093	33.45 %
Mangla	1242.00	1050.00	1219.40	1238.90	1190.70	7.356	7.108	3.770	51.25 %
Total Live Storage						13.516	13.311	8.364	61.88 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.9 °C	32.4 °C
Minimum	9.4 °C	9.3 °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"