

**GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000**

BULLETIN No. A-089/24

**Dated: 11th September, 2024
Time: 11:00 hours (PST)**

1. President Secretariat, Islamabad.
2. PM House, Islamabad.
3. Federal Minister for Water Resources, Islamabad.
4. Governor (All Provinces).
5. Chairman NDMA, Islamabad.
6. Chief Minister (All Provinces).
7. PM Secretariat, Islamabad.
8. Secretary, Aviation Division, Islamabad.
9. Secretary, Ministry for Water Resources, Islamabad.
10. Secretary, Ministry of Information, Islamabad.
11. Secretary, Climate change, Islamabad.
12. Chairman NHA, Islamabad.
13. Chief Secretary (All Provinces).

14. PDMA'S (DG's All Provinces & AJK).
15. Chairman, Federal Flood Commission, Islamabad.
16. Chairman, Indus River System Authority, Islamabad.
17. Chairman, PCRWR, Islamabad.
18. The Secretary General, Red Crescent, Islamabad.
19. Secretary, Irrigation Department, (All Provinces).
20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.
21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
22. Chief Engineer, Mangla/Tarbela/Chashma.
23. Chief Engineer, Irrigation (All Provinces).
24. Chief Engineer, (All Barrages).
25. Chief Engineer, C.D.O. (Muzaffarabad).
26. All other concerned.

SUBJECT: RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

All the major rivers are flowing in their state of normal flow.

II: METEOROLOGICAL FEATURES:

- a) A trough of a weak westerly wave today lies over northern parts of the country.
- b) Moderate to strong pressure gradient lies over north Afghanistan and adjoining Pakistan which may decrease temperatures over northern areas of the country during next few days.
- c) Yesterday's depression over central Chhattisgarh today lies over east Madhya Pradesh.
- d) Light moist currents from the Arabian Sea and Bay of Bengal are penetrating the southern Punjab up to 5000 feet.
- e) Seasonal low lies over northeast Balochistan.

III: WEATHER FORECAST FOR 24-HOURS:

Isolated thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers and Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur, DG Khan, Peshawar, Kohat, Bannu and DI Khan division.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

No significant change is expected over the most parts of the country. However, scattered to widespread thunderstorm rain of moderate to heavy intensity is expected over the upper catchments of rivers Sutlej and Beas.

V: RIVERS CATCHMENTS RAINFALL RECORDED (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Takht Bai=11, Kakul & Barkhan=09(each), Tarbela & Saidu Sharif=03(each), Islamabad [Zeropoint=02, Chaklala (Airbase)=Trace], Pattan & Malam Jabba=02(each), Mirkhani=01, Kamra (Airbase), Arandu Nullah, Risalpur, Attock, Lower Dir & Kalam=Trace(each).
Jhelum:	Mandibahauddin=05, Kotli=03, Sargodha (Airbase)=Trace.
Chenab:	Hafizabad=08, Jhang=Trace.
Ravi:	Narowal=06, Lahore [Township & Gulshan e Ravi=03(each), Shahi Qilla=02, Jail Road, Qurtba chowk, Samanabad, Luckshami, Misri Shah & Airport=Trace (each)].
Sutlej:	-Nil-
Others:	Met complex Karachi=Trace.

**(Shahid Abbas)
Chief Meteorologist
FFD Lahore**

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I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)	RESERVOIRS LEVEL (FEET) at (0600 PST) TARBELA Current: 1550.00 Max. Conservation: 1550.00 Live Storage 100.00% MANGLA Current: 1228.35 Max Conservation: 1242.00 Live Storage 85.42%
INDUS	Isolated thunderstorm rain	Isolated thunderstorm rain (Rawalpindi Division)	
JHELMUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	-do- (Bahawalpur Division)	

II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Quantitative Forecast for Next 24- hrs (Inflow)	Qualitative Forecasted Flood Level (Inflow)	Max Flood Peaks (In Thousands of Cusecs)	
			Inflow	Outflow			Historical	Flood Season 2024
INDUS	Tarbela	1500	100.0	98.4	90-100	Below Low	832.0 (2010)	350.0
	Kalabagh	950	138.2	131.9	No sig. change	-do-	950.0 (1942)	401.7
	Chashma	950	158.6	140.1	-do-	-do-	1038.9 (2010)	432.7
	Taunsa	1100	127.8	102.5	-do-	-do-	960.0 (2010)	442.2
	Guddu	1200	175.3	148.9	-do-	-do-	1199.7 (1976)	431.3
	Sukkur	1500	149.9	117.6	130-150	-do-	1166.6 (1986)	401.1
	Kotri	875	190.9	175.8	170-190	-do-	980.3 (1956)	342.4
KABUL	Nowshera	-	28.0	28.0	No sig. change	-do-	391.3 (1990)	114.2
JHELMUM	Mangla	1060	20.0	20.0	20-25	-do-	1090.0 (1992)	176.0
	Rasul	850	16.8	0.0	No sig. change	-do-	952.2 (1992)	67.8
CHENAB	Marala	1100	41.3	11.5	35-45	-do-	1100.0 (1957)	178.8
	Khanki	1100	15.1	7.5	No sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	20.3	2.3	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	32.9	22.6	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	58.3	45.7	-do-	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	2.4	2.4	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	16.6	16.6	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	35.9	9.3	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	24.6	9.6	-do-	-do-	330.2 (1988)	33.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	16.3	4.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.7	4.7	-do-	-do-	492.6 (1955)	12.5

Isolated= 20 to 30% of area Scattered= 30 to 50% of area | Widespread= 90 to 100% of area R= Rising, F= Falling

Note: Concerned Departments may contact FFD, Lahore for rectification up-dation (if any)

(Shahid Abbas)
Chief Meteorologist
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BULLETIN No. C-089/24

Dated: 11th September, 2024
Time: 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS'
CATCHMENTS' (12th- September, 2024 to 18th-September, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered to widespread thunderstorm rain is expected over the upper catchments of rivers Sutlej and Beas from 12th September. A trough of westerly wave is likely to affect the upper catchments of rivers Kabul, Indus and Jhelum during 14 to 15 September.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant flood situation is expected in any of the major rivers.

(Shahid Abbas)
Chief Meteorologist
FFD Lahore

Note: This forecast is updated on daily basis.