

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

BULLETIN No. A-090/24

**Dated: 12th September, 2024
Time: 11:00 hours (PST)**

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| 1. President Secretariat, Islamabad. | 14. PDMA'S (DG's All Provinces & AJK). |
| 2. PM House, Islamabad. | 15. Chairman, Federal Flood Commission, Islamabad. |
| 3. Federal Minister for Water Resources, Islamabad. | 16. Chairman, Indus River System Authority, Islamabad. |
| 4. Governor (All Provinces). | 17. Chairman, PCRWR, Islamabad. |
| 5. Chairman NDMA, Islamabad. | 18. The Secretary General, Red Crescent, Islamabad. |
| 6. Chief Minister (All Provinces). | 19. Secretary, Irrigation Department, (All Provinces). |
| 7. PM Secretariat, Islamabad. | 20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi. |
| 8. Secretary, Aviation Division, Islamabad. | 21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad. |
| 9. Secretary, Ministry for Water Resources, Islamabad. | 22. Chief Engineer, Mangla/Tarbela/Chashma. |
| 10. Secretary, Ministry of Information, Islamabad. | 23. Chief Engineer, Irrigation (All Provinces). |
| 11. Secretary, Climate change, Islamabad. | 24. Chief Engineer, (All Barrages). |
| 12. Chairman NHA, Islamabad. | 25. Chief Engineer, C.D.O. (Muzaffarabad). |
| 13. Chief Secretary (All Provinces). | 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) Yesterday's trough of weak westerly wave over northern parts of the country has moved away eastward.
- b) A fresh trough of westerly wave lies over northern parts of Afghanistan.
- c) Yesterday's depression over east Madhya Pradesh moved northwestward and today lies over south Uttar Pradesh and has become **insignificant** for the country.
- d) Moist currents are cut off from the Arabian Sea and Bay of Bengal.
- e) Weak seasonal low lies over Balochistan.

III: WEATHER FORECAST FOR 24-HOURS

Scattered thunderstorm rain is expected over the upper catchments of river Sutlej. However, mainly dry weather is expected over the most part of the country along with upper catchment of all the other major rivers.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS

Scattered thunderstorm rain of moderate intensity is expected over the upper catchments of rivers Kabul, Indus, Jhelum and Sutlej along with Islamabad and Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha, Gujranwala and DG Khan divisions. Isolated thunderstorm rain is expected over the upper catchments of rivers Chenab and Ravi along with Lahore division.

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

Indus:	Hunza=01, Skardu=Trace.
Jhelum:	-Nil-
Chenab:	Shorkot (Airbase)=49, Multan (City)=02.
Ravi:	-Nil-
Sutlej:	-do-
Others:	-do-

**(Saqib Hussain)
Deputy Director
for 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)	
INDUS	Mainly dry	Mainly dry (Rawalpindi Division)	TARBELA Current: 1550.00 Max. Conservation: 1550.00 Live Storage 100.00% MANGLA Current: 1228.50 Max Conservation: 1242.00 Live Storage 85.58%	
JHELUM	-do-	-do- (Sargodha Division)		
CHENAB	-do-	-do- (Gujranwala Division)		
RAVI	-do-	-do- (Lahore Division)		
SUTLEJ	Scattered thunderstorm rain	-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	103.0	104.0	95-105	Below Low	832.0 (2010)	350.0
	Kalabagh	950	118.4	112.0	No sig. change	-do-	950.0 (1942)	401.7
	Chashma	950	169.2	156.7	-do-	-do-	1038.9 (2010)	432.7
	Taunsa	1100	122.5	96.3	-do-	-do-	960.0 (2010)	442.2
	Guddu	1200	168.2	143.1	-do-	-do-	1199.7 (1976)	431.3
	Sukkur	1500	136.3	99.6	-do-	-do-	1166.6 (1986)	401.1
	Kotri	875	173.0	165.1	-do-	-do-	980.3 (1956)	342.4
KABUL	Nowshera	-	28.3	28.3	-do-	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	24.0	20.0	20-25	-do-	1090.0 (1992)	176.0
	Rasul	850	17.4	0.0	No sig. change	-do-	952.2 (1992)	67.8
CHENAB	Marala	1100	38.5	11.5	35-45	-do-	1100.0 (1957)	178.8
	Khanki	1100	15.3	9.1	No sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	25.3	13.3	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	31.4	19.5	-do-	-do-	944.0 (1928)	96.3
RAVI	Punjad	700	58.4	45.7	-do-	-do-	802.5 (1973)	72.3
	Jassar	275	2.4	2.4	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	16.2	16.2	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	37.0	10.4	-do-	-do-	389.8 (1988)	56.3
SUTLEJ	Sidhnai	150	22.8	7.8	-do-	-do-	330.2 (1988)	33.8
	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	16.0	3.6	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.9	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)

(Saqib Hussain)
Deputy Director
for Chief Meteorologist
FFD Lahore

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BULLETIN No. C-090/24

Dated: 12th September, 2024
Time: 11:00 hours (PST)

SUBJECT: WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (13th- September, 2024 to 19th-September, 2024)

➤ **RAINFALL OUTLOOK:**

Trough of westerly wave is likely to affect moderately the upper catchments of rivers Kabul, Indus and Jhelum during 13 to 15 September.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

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

(Saqib Hussain)
Deputy Director
for Chief Meteorologist
FFD Lahore

Note: This forecast is updated on daily basis.