

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

BULLETIN No. A-044/24

**Dated: - 28th July, 2024
Time: - 11:20 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 (D.G'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 below Low flood level. Low to medium level flows are expected in Nullahs of River Chenab and Ravi during next 24- Hours.

Alert: During 29th July to 4th August, **Medium to High level** flood is expected in rivers **Jhelum Upstream Mangla, Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and Chenab catchments. Low to Medium level flows are expected in River Indus at Tarbela, hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat Divisions.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of **Strong Westerly Wave** over northeast Iran and adjoining areas today lies over northwest Afghanistan.
- b) Yesterday's **Monsoon Low** over north Odisha, moved westward and today lies over east Madhya Pradesh and has intensified into **Well-Marked** monsoon low.
- c) There is possibility of interaction between westerly wave and monsoon winds from 29th July to 1st August.
- d) Mild moist currents are penetrating the upper parts of country from the Arabian Sea and Bay of Bengal up to 3000 feet. It is likely to become strong during 29th to 1st August.
- e) Core of the Jetstream lies over north of Afghanistan, with wind speeds more than 110 knots, is likely to approach upper parts of the country from 30th July. This may enhance the rainfall activity over the country.
- f) Speed divergence in Arabian sea and lower half of the country and speed convergence over upper half of the country may produce **Very Heavy rainfall** over upper half of the country.
- g) Well-marked seasonal low lies over northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej along with Islamabad & Rawalpindi, Sargodha, Lahore and Gujranwala Divisions. Isolated thunderstorm/rain of light to moderate intensity is expected over the upper catchments of rivers Indus and Kabul along with, DG Khan, Bahawalpur, Peshawar, Kohat, Bannu, Sibbi and Nasirabad Divisions.

IV: WEATHER OUTLOOK DURING 29TH JULY TO 1ST AUGUST:

Alert: WIDESPREAD thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore and DG Khan Divisions. Scattered thunderstorm rain with Isolated **Heavy Falls** is also expected over Sindh & Zhob, Sibbi, Nasirabad, Multan, Bahawalpur, Sahiwal and Faisalabad Divisions.

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

Indus:	Tarbela=89, Islamabad [Saidpur=84, Golra=40, Zeropoint=39, Head Quarter=37, New Airport=33, Kacheri=31, Bokra=30, Chaklala (Airbase)=28, Shamsabad=02], Kakul=41, Barkhan=24, Takht Bai=20, Daggar=17, Buner=03, Malam Jabba=02, Mardan=01.
Jhelum:	Bandi Abbaspur=117, Mandibahauddin=35, Dhulli=23, Domel=18, Balakot=13, Pan0jera=12, Rawalakot=09, Mangla=06, Kallar, Muzaffarabad (City & Airport) =03(each), Garhi Dopatta=02, Jhelum, Hajira, Tandali=Trace(each).
Chenab:	Barnala=95, Gujrat=52, Sialkot (Airport)=47, Hafizabad=03.
Ravi:	Sahiwal=01, Narowal=Trace.
Sutlej:	-Nil-
Others:	-do-

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

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-044/24

Dated: - 28th July, 2024
Time: - 11:20 hours (PST)

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	Isolated thunderstorm/rain	Scattered thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	Scattered thunderstorm/rain	-do- (Sargodha Division)	Current:	1517.78
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	69.6%
SUTLEJ	-do-	Isolated thunderstorm/rain (Bahawalpur Division)	MANGLA	
			Current:	1199.55
			Max Conservation:	1242.00
			Live Storage	58.0%

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	233.0	199.6	235-260	Low	832.0 (2010)	296.0
	Kalabagh	950	228.2	220.2	240-260	-do-	950.0 (1942)	254.8
	Chashma	950	251.5	235.0	240-260	-do-	1038.9 (2010)	273.4
	Taunsa	1100	222.7	196.6	No Sig. change	Below Low	960.0 (2010)	226.9
	Guddu	1200	182.9	144.0	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	124.9	73.9	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	77.0	35.5	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	50.8	50.8	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	24.0	12.0	30-50 <small>(sharp peak up to medium)</small>	-do-	1090.0 (1992)	114.6
	Rasul	850	9.3	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	70.9	43.6	90-120	Low	1100.0 (1957)	98.9
	Khanki	1100	48.1	40.2	90-120	-do-	1086.5 (1959)	95.1
	Qadirabad	807	49.8	30.3	-do-	Below Low	948.5 (1992)	93.1
	Trimmu	645	34.7	19.1	-do-	-do-	944.0 (1928)	46.5
	Punjad	700	13.1	0.0	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	4.7	4.7	5-15	-do-	680.0 (1955)	26.8
	Shahdara	250	14.9	14.9	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	41.9	12.8	-do-	-do-	389.8 (1988)	48.3
	Sidhnai	150	26.1	10.4	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	17.4	4.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.1	0.8	-do-	-do-	492.6 (1955)	8.6

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
FFD Lahore

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BULLETIN No. C-044/24

Dated: 28th July, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (29th-July, 2024 to 04th-August,2024)

➤ **RAINFALL OUTLOOK:**

WIDESPREAD thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore and DG Khan Divisions. Scattered thunderstorm rain with Isolated **Heavy Falls** is also expected over Sindh & Zhob, Sibbi, Nasirabad, Multan, Bahawalpur, Sahiwal and Faisalabad Divisions.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Alert: During 29th July to 4th August, **Medium to High level** flood is expected in rivers **Jhelum Upstream Mangla, Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and Chenab catchments.

Low to Medium level flows are expected in River Indus at Tarbela, hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat Divisions.

Note: This forecast is updated on daily basis.

(Shahid Abbas)
Chief Meteorologist
FFD Lahore