

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

BULLETIN No. A-050/24

**Dated: - 03rd August, 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:

River Indus at Tarbela, Kalabagh & Chashma and River Kabul at Nowshera are in Low flood level, while all the other major rivers are flowing below Low flood level.

Low to Medium level flows are expected in River Indus at Tarbela (During 48 hours).

Alert (for next 72 hours): **Medium to High level Flash Flooding** is expected in hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, Kalat, Larkana, Hyderabad (Dadu & Jamshoro Districts) divisions. **Medium to High** level flow also expected in River Kabul at Nowshera.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of **Strong Westerly Wave** over northern parts of Afghanistan today lies over northeast Afghanistan and adjoining Pakistan.
- b) Yesterday's **Low-Pressure Area** over northeast Sindh and adjoining areas persists and extending up to 500 hPa.
- c) Yesterday's **Low-Pressure Area** over west Bengal has intensified into **Depression** and today centers over northwest Jharkhand.
- d) Moderate to strong moist currents are penetrating the central and southern parts of the country from Arabian Sea and Bay of Bengal up to 5000 feet.
- e) Well-marked Seasonal Low lies over east Balochistan with central pressure below 994 hPa.

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 Kabul and Indus along Khyber-Pakhtunkhwa. Scattered thunderstorm rain of moderate intensity is also expected over the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej along with Islamabad, & Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Multan and Sahiwal Divisions.

Warning (for next 72 hours): Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** fall is expected over DG Khan, Bahawalpur, Zhob, Sibbi, Nasirabad, Kalat, Larkana, Sukkur, Hyderabad and Mirpur Khas Divisions. Scattered thunderstorm rain of Moderate intensity with isolated heavy falls is also expected over the rest of Sindh and Balochistan.

IV: WEATHER OUTLOOK DURING NEXT 48-HOURS:

Wet spell is likely to continue.

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

Indus:	Sukkur=44, Rohri=38, Bhandu Wala=32, Khairpur=16, Shinkari=10, Bhakkar=06, Hyderabad (City)=05 & Airport=Trace, Layyah (Krore), Tando Jam=05(each), Barkhan, Shaheed Benazirabad & Sakrand=04(each), Khaar-Bajaur=03, Malam Jabba, Mardan, Buner & Lower Dir=02(each), Khanpur & Larkana=01(each), Bosak Bridge, Jacobabad, Warsak Dam, Rahim Yar Khan, Badin, Dadu, D.I.Khan, Vehova, DG Khan (Airport) & Chaklala (Airbase)=Trace(each).
Jhelum:	Balakot=41, Chattar Kallas=05, Rawalakot & Tandali=03(each), Chakothi & Sargodha (City)=Trace(each).
Chenab:	Kot Addu=12, Multan (City)=01.
Ravi:	Sheikhupura=01, Khanewal=Trace.
Sutlej:	Kasur=02, Bahawalnagar=01, Bahawalpur (Airport & City)=Trace(each).
Others:	Ziarat=42, Karachi [Kemari=41, Masroor=20, Quaidabad & Saddar=19(each), Orange Town=18, Korangi=16, DHA=15, Faisal Base=11, Airport & Gadap Town=05(each), Hassan Square=04, Nazimabad, Jinnah Terminal, Surjani Town & Gulshan e Hadeed=03(each), University Road & Ibrahim Hyderi=02(each), Gulshan e Maymar & Bin Qasim=01(each), North Karachi=Trace], Muslim Bagh=18, Loralai=06, Kalat=03, Lasbela=02, Khuzdar, Sibbi, Quetta (Samungli & Sheikh Manda)=Trace(each).

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(Shahid Abbas)
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FFD Lahore

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

BULLETIN No. B-050/24

Dated: - 03rd August, 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) TARBELA Current: 1533.00 Max. Conservation: 1550.00 Live Storage 83.3% MANGLA Current: 1204.40 Max Conservation: 1242.00 Live Storage 62.3%
INDUS	Scattered thunderstorm rain	Scattered thunderstorm/rain (Rawalpindi Division)	
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Widespread thunderstorm/rain (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	336.0	276.9	330-340	Low	832.0 (2010)	336.0
	Kalabagh	950	359.6	351.6	340-360	-do-	950.0 (1942)	378.3
	Chashma	950	382.3	359.3	350-380	-do-	1038.9 (2010)	382.3
	Taunsa	1100	260.4	234.9	260-300	-do-	960.0 (2010)	260.4
	Guddu	1200	192.0	179.0	No Sig. change	Below Low	1199.7 (1976)	192.9
	Sukkur	1500	140.6	97.1	-do-	do-	1166.6 (1986)	140.6
	Kotri	875	76.1	38.9	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	88.4	88.4	70-100	Low to Medium	391.3 (1990)	105.5
JHELUM	Mangla	1060	25.0	10.0	25-50	Below Low	1090.0 (1992)	114.6
	Rasul	850	2.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	81.2	54.3	70-80	-do-	1100.0 (1957)	106.3
	Khanki	1100	86.1	78.2	70-80	-do-	1086.5 (1959)	95.1
	Qadirabad	807	76.6	58.6	60-80	-do-	948.5 (1992)	93.1
	Trimmu	645	51.5	35.9	No Sig. change	-do-	944.0 (1928)	53.7
	Punjnad	700	20.8	7.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	10.3	10.3	5-20	-do-	680.0 (1955)	26.8
	Shahdara	250	21.8	21.8	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	50.5	23.2	50-60	Low	389.8 (1988)	50.5
	Sidhnai	150	23.2	9.1	No Sig. change	Below Low	330.2 (1988)	24.6
SUTLEJ	G.S. Wala	--	2.0	2.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	19.6	7.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	4.0	1.8	-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)

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(Shahid Abbas)
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FFD Lahore

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BULLETIN No. C-050/24

Dated: 03rd August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (04th-August, 2024 to 10th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered thunderstorm rain of moderate intensity with isolated HEAVY FALL is expected over the upper catchment of all the major rivers.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Low to Medium level flows are expected in River Indus at Tarbela (During 48 hours).

Alert (for next 72 hours): Medium to High level Flash Flooding is expected in hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, Kalat, Larkana, Hyderabad (Dadu & Jamshoro Districts) divisions. Medium to High level flow also expected in River Kabul at Nowshera.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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