

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

BULLETIN No. A-049/24

**Dated: - 02nd 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 72 hours).

Alert (During 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 District) 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 Iran today lies over northern parts of Afghanistan and adjoining areas.
- b) Yesterday's **Low-Pressure Area** over east Haryana has moved southwestwards and today lies over northeast Sindh and adjoining areas.
- c) Yesterday's upper air circulation over west Bengal has intensified into **Low Pressure Area**.
- d) Moderate to strong moist currents are penetrating the central and southern parts of the country from 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 all the major rivers along with Islamabad, Khyber-Pakhtunkhwa, Rawalpindi, Gujranwala, Lahore, Faisalabad, Multan and Sahiwal Divisions.

Alert (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 (Dadu District) 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 >5 (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Murree=85, Shinkiari=66, Kamra (Airbase)=62, DG Khan [Vehova=60, Airport=10], Phulra=58, Khawagoobo Bridge=54, Dir=51, Daggar=46, Oghi & Attock=34(each), Tarbela=30, Takht Bai=29, Parachinar=28, Bhandu Wala=26, Kakul=23, Layyah (Krore)=21, Islamabad [Golra=20, Bokra=05], Khanpur=16, Besham=15, Risalpur=12, Malam Jabba=10, Kohat Airbase=06.
Jhelum:	Kallar=33, Bandi Abbaspur=26, Balakot=20, Rawalakot=16, Dhulli=10, Palandri & Kotli=07(each).
Chenab:	Hafizabad=25, Multan [Airport=22, Chungi No.9=21, City=18, Kiri Jamandan=13, Shuja Abad=15], Gujranwala=06.
Ravi:	Lahore [Shahi Qilla=98, Shahdara=83, Misri Shah=67, Gulburg=64, Township=62, Johar Town=60, Iqbal Town=57, Luckshami=49, Samanabad & Mughal Pura=47(each), Taj Pura=40, Gulshan e Ravi=39, Upper Mall=24, Airport=23, City=12, Qurtba chock=07], Narowal=21, Sheikhpura=16.
Sutlej:	Kasur=35, Bahawalpur (Airport)=12.
Others:	Khuzdar=18, Karachi [DHA=15, Airport=14, Quaidabad=11, Jinnah Terminal=08, University Road=07, Kemari, Faisal Base & Surjani Town=06(each)].

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-049/24

Dated: - 02nd 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)	
INDUS	Scattered thunderstorm rain	Scattered thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1531.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	81.4%
SUTLEJ	-do-	Widespread thunderstorm/rain (Bahawalpur Division)	MANGLA	
			Current:	1203.80
			Max Conservation:	1242.00
			Live Storage	61.8%

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	328.0	314.9	325-335	Low	832.0 (2010)	329.0
	Kalabagh	950	326.6	318.7	340-370	-do-	950.0 (1942)	326.8
	Chashma	950	322.9	300.0	330-360	-do-	1038.9 (2010)	327.9
	Taunsa	1100	239.3	213.8	240-270	-do-	960.0 (2010)	240.1
	Guddu	1200	185.1	151.6	No Sig. change	Below Low	1199.7 (1976)	192.9
	Sukkur	1500	127.9	78.2	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	74.5	33.5	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	81.1	81.1	70-80	Low	391.3 (1990)	105.5
JHELUM	Mangla	1060	36.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	10.3	8.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	99.4	73.0	70-95	-do-	1100.0 (1957)	106.1
	Khanki	1100	65.7	58.1	70-90	-do-	1086.5 (1959)	95.1
	Qadirabad	807	58.1	40.1	60-80	-do-	948.5 (1992)	93.1
	Trimmu	645	53.7	38.1	No Sig. change	-do-	944.0 (1928)	53.7
	Punjad	700	19.9	6.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	6.4	6.4	5-20	-do-	680.0 (1955)	26.8
	Shahdara	250	19.5	19.5	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	43.3	16.2	40-50	Low	389.8 (1988)	48.3
	Sidhnai	150	22.5	8.5	No Sig. change	Below Low	330.2 (1988)	24.6
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	18.4	5.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.5	1.3	-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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BULLETIN No. C-049/24

Dated: 02nd August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (03rd-August, 2024 to 09th-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 72 hours).

Alert: (During 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 District) 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)
Chief Meteorologist
FFD Lahore