

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

BULLETIN No. A-071/24

**Dated: 24th August, 2024
Time: 11:20 hours (PST)**

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| <ol style="list-style-type: none">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). | <ol style="list-style-type: none">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. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Guddu and Sukkur is at **Medium** flood level, while River Indus at Taunsa and Kotri is at Low flood level.

Watch: From August 27th and onwards, **SEVERE FLASH FLOOD** situation is likely to develop in the areas along Sulaiman and Kirthar ranges including nullahs in Balochistan. Urban flooding is also expected in the metropolitan cities of Sindh.

II: METEOROLOGICAL FEATURES:

- a) Low pressure area over West-Bengal today lies over East Madhya Pradesh. under the influence of speed divergence in the Arabian Sea and Bay of Bengal, along with directional convergence over east Madhya Pradesh, it is likely to intensify into Depression, potentially impacting the southern part of the country from 26th August.
- b) Yesterday's trough of westerly wave over northern parts of Iran today lies over northeast Iran and adjoining Afghanistan.
- c) Light moist currents are penetrating the upper parts of the country from Bay of Bengal.
- d) Yesterday's Low pressure area over western Uttar Pradesh has dissipated.
- e) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Mainly dry weather is expected over most parts of the country. However, isolated Thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur, DG Khan, Zhob and Kalat divisions.

IV: WEATHER Outlook:

No significant change is expected up to 25th August.

Watch: Likely intensification and westward then south-westward movement of Low-pressure area over West-Bengal, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **South Punjab (DG Khan, Multan and Bahawalpur divisions), Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions)** from 26th to 30th August.

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

Indus:	Kakul=13, Islamabad (Zeropoint=07 & Golra=01), Arandu Nullah, Buner & Bhandu Wala=Trace(each).
Jhelum:	Palandri & Joharabad=08(each), Sargodha (Airbase, City) & Bandi Abbaspur=04(each), Panjera & Dhulli=01(each), Rawalakot=Trace.
Chenab:	Sialkot (Airport=02 & Cantt=01), Gujrat=02, Gujranwala=Trace.
Ravi:	Faisalabad (Gulistan Colony=21, Gulam Muhammad Abad=20, Madina Town=11, Dogar Basti=10, Allama Iqbal Colony=09 & City=01), Lahore [Iqbal Town=06, Township=05, Jail Road & Shahdara=03(each), Gulburg & Johar Town=02(each), Airport, Samanabad, Upper Mall, Luckshami, Misri Shah, Mughal Pura, Shahi Qilla, Qurtba chowk=Trace(each)], Okara=02.
Sutlej:	Bahawalpur (City)=02.
Others:	-Nil-

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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Dated: - 24th 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	Isolated thunderstorm rain	Isolated thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1550.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	100.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1216.00
			Max Conservation:	1242.00
			Live Storage	73.1%

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	162.0	155.4	150-160	Below Low	832.0 (2010)	350.0
	Kalabagh	950	233.3	226.9	200-230	-do-	950.0 (1942)	401.7
	Chashma	950	245.5	225.5	220-240	-do-	1038.9 (2010)	432.7
	Taunsa	1100	349.1	337.1	320-350	Low	960.0 (2010)	442.2
	Guddu	1200	376.6	366.5	370-380	Medium	1199.7 (1976)	431.3
	Sukkur	1500	390.5	380.9	380-390	-do-	1166.6 (1986)	401.1
	Kotri	875	284.0	248.3	285-295	Low	980.3 (1956)	284.0
KABUL	Nowshera	-	47.7	47.7	40-50	Below Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	30.0	8.0	25-40	-do-	1090.0 (1992)	114.6
	Rasul	850	2.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	55.2	27.6	50-60	-do-	1100.0 (1957)	178.8
	Khanki	1100	37.2	29.3	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	31.7	13.7	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	57.4	47.2	-do-	-do-	944.0 (1928)	96.3
	Punjad	700	72.2	64.3	65-80	-do-	802.5 (1973)	72.2
RAVI	Jassar	275	4.7	4.7	No Sig. change	-do-	680.0 (1955)	40.4
	Shahdara	250	16.6	16.6	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	44.0	15.7	40-45	Low	389.8 (1988)	56.3
	Sidhnai	150	22.7	10.2	No Sig. change	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	20.4	9.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.5	5.0	-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)

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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BULLETIN No. C-071/24

Dated: 24th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (25th-August, 2024 to 31st August, 2024)

➤ **RAINFALL OUTLOOK:**

Watch: Likely intensification and westward then south-westward movement of Low-pressure area over West-Bengal, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **South Punjab (DG Khan, Multan and Bahawalpur divisions), Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions)** during 26th to 30th August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant increase is expected in the flows of any of the major rivers.

Watch: From August 27th and onwards, **SEVERE FLASH FLOOD** situation is likely to develop in the areas along Sulaiman and Kirthar ranges including nullahs in Balochistan. Urban flooding is also expected in the metropolitan cities of Sindh.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

Note: This forecast is updated on daily basis.